

THE BEST SELLING AIRCRAFT MODELLING MAGAZINE!

Scale AVIATION Modeller International

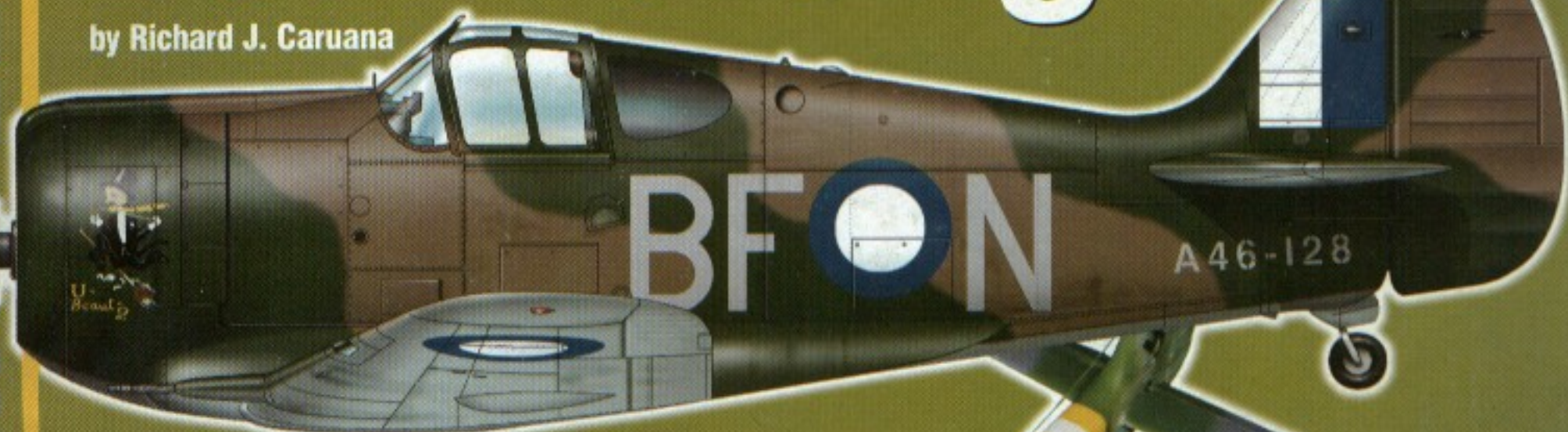
Pretty in Pink

by Gary Hatcher



Boomerang

by Richard J. Caruana



Plus
Aviation
Colour File
A.W. Meteor
NF Mk 14

Eagle's Wings

by Nick J. Wigman



Volume 6 Issue 3 March 2000 £2.75

03 >

9 771356 053040

LATEST NEWS • PREVIEWS • REVIEWS • ACCESSORIES • DECALS



Classic Airframes



A Division of Bringuier Aviation Products
PO BOX 577580 CHICAGO ILLINOIS 60657 USA
TEL/FAX (001) 773 588 5161



Kit No. 428 Fairey Battle \$44.95



*Kit No. 429 Fairey Battle Trainer \$44.95



*Kit No. 433 Curtiss BF2C-1 \$29.95



*Kit No. 432 Curtiss F11C-2/BFC-2 \$29.95



*Kit No. 430 Fairey Battle Target Tug \$44.95



Kit No. 438 Mitsubishi A5M4K \$29.95



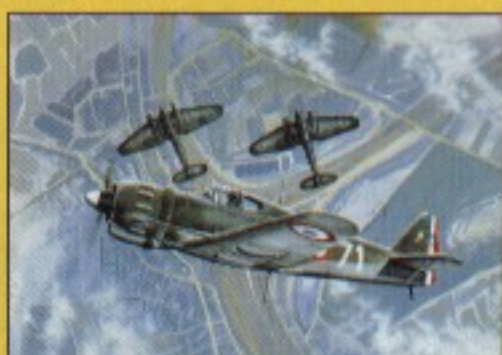
*Kit No. 431 Curtiss Hawk II \$29.95



*Kit No. 434 Curtiss Hawk III \$29.95



Kit No. 416 Boeing P-12E \$29.95



Kit No. 422 Bloch MB152 \$29.95



Kit No. 415 Westland Whirlwind \$39.95



*Kit No. 435 Bristol Blenheim I/IF \$49.95



Kit No. 417 Boeing F4B4 \$29.95



Kit No. 426 N/A P-51H \$29.95



Kit No. 414 Fiat CR 32 \$29.95



Kit No. 412 SBC-3 Helldiver \$39.95

***Soon to be released**

Our kits are designed with the experienced collector and modeller in mind and give you the potential to create real masterpieces in 1/48th scale.

All our kits are available worldwide. Contact your distributor for your nearest retail stockist.

If you have a problem tracking down any item feel free to call us direct.

USA –

- Argosy Distributors
- American Eagle Distributors
- Coulter Bennet Ltd
- Douglas Model Distributors
- Great Planes Distributors
- Hobbytime Distributors
- Legacy Distributors

- Military Model Distributors
- Sentai Distributors
- Stevens International
- The Right Stuff

Japan –

- Beaver Corp
- Hasegawa
- The Right Staff Products

Australia –

- JB Model Wholesalers

France –

- Cocktail Joulets

Hong Kong –

- Falcon Supplies Co.

Italy –

- MisterKit

Canada –

- Canadian Hobbycraft
- Precision Parts Corp

Germany –

- Aeromodell / Eduard

UK –

- HG Hannant

Editorial

Volume 6 Issue 3



I hope that you all enjoyed the little changes that were made last month in the magazines layout. I felt that the new design was much clearer, and easier to read. It also had the added benefit of getting a few more lines in per page, and that is very important in this title considering the huge amount of information we have to fit in each month.

As I have not got much else to say, and as my indoor model room

is now back up and running, I will sign off now, as there are a number of models calling me!

Richard A. Franks
Editor



News & Reviews

168... News Update

The monthly look at the latest modelling news from around the world.

170... News Update Special

A report of what was new from this year's Toy & Hobby Fair at Olympia.

174... Previews

Our initial look at new kits that we have received for review.



176... Reviews

The Review Team builds a selection of the kits we have received.

189... Accessories

This month we take a look at recent products from Eduard M.A., J. Rutman, Neomega and WingMan.

193... Decals

Some of the latest sheets from Albatros Modelworks, Tally Ho!, WingMan, Tauro, EagleCals, Copper State Models and Experts-Choice.

Regulars

236 The Bookshelf including news

237 Newstand

240 Clubs & Societies

240 Advertisers Index

241 Readers Classified Advertisements

241 Events Diary

242 Address List



Features

198... Pretty in Pink

Gary Hatcher builds and updates the Airfix 1/72nd scale Buccaneer and completes it in Gulf War markings

206... Eagle's Wings - Dora

Detailing the 1/48th Tamiya Fw 190D-9 with the Formatex (formerly FM) detail set by Nicholas J. Wigman

216... Boomerang

Richard J. Caruana takes a look at the CAC Boomerang and includes colour profiles and scale plans

224... Aviation Colour File

Part 5 of Ian K. Baker's study of Japanese camouflage and markings of the Imperial Japanese Navy

230... Meteor NF Mk 14

Bill Clark builds the A.W. Meteor NF Mk 14 in 1/48th scale from Aeroclub



Published by SAM PUBLICATIONS
4 Princeton Court, Pilgrim Centre
Brickhill Drive, Bedford MK41 7PZ
Telephone: +44 (0) 8707 333373
Fax: +44 (0) 1234 261251
Email: samkit@globalnet.co.uk

PUBLISHER Steve Elliott
EDITOR Richard A. Franks
EDITORIAL ASSISTANT L.S. Lever
PRODUCTION & ART DIRECTION Simon Sugarhood
TECHNICAL PROOF READING WordCraft
AVIATION ILLUSTRATIONS Richard J. Caruana;
Michele Marsan
AVIATION HISTORIANS Ian K. Baker;
Richard J. Caruana; Philip J. Moyes;
Michael Payne; Harry Woodman
CONTRIBUTORS THIS MONTH Mark P. Attili;
Bill Clark; Gary Hatcher; Nick J. Wigman
REVIEW TEAM THIS MONTH Ian Claxton;
Michael Cook; Peter Fearis; David Francis;
Paul Gold; Paul Janicki; Simon Snape

SHOW REPORTER Robert Day

EDITORIAL E-MAIL SAMed@compuserve.com

Please note: Do not use this address for back issue orders, subscriptions or subscription enquiries or book orders (send these to samkit@globalnet.co.uk). Also note that we cannot undertake research into specific or general aviation queries and that there may be some delays in responses from the contributors, as they are not based at the editorial address.

ADVERTISING DIRECTOR Mark Peacock

Tel: 01234 216016

PRE PRESS PRODUCTION DMZee Marketing (UK)

PRINT PRODUCTION Millennium (UK)

DISTRIBUTION MMC (UK)

NORTH AMERICAN DISTRIBUTION

ADS Publisher Services Inc. 2121

Waukegan Road Ste.120, Bannockburn,
IL60015, USA Tel: (847) 444 4850

Contributions and photographic material are welcome, but must be accompanied by adequate postage to cover return. SAM Publications accept no responsibility for loss or damage to materials supplied.

© SAM PUBLICATIONS 2000

Articles, photographs and drawings published in Scale Aviation Modeller International are protected by copyright. Reproduction in whole or in part is forbidden without prior authority of the publishers. Opinions expressed by contributors and advertisers are not necessarily those of the editor or publisher. SAM Publications reserves the right to suspend or refuse any advertisement without giving reasons. Whilst every care is taken to avoid mistakes SAM Publications cannot be liable in any way for any errors or omissions, nor can the publisher accept responsibility for the bona fides of advertisers.

SUBSCRIPTIONS

Cheques/Money Orders in Sterling only made payable to SAM PUBLICATIONS and sent to the address above. Major credit card payment accepted by telephone. Subscription Hotline (44) 0 8707 333373

AMERICAN SUBSCRIPTIONS

WISE OWL WORLDWIDE PUBLICATIONS
1926 S. Pacific Coast Highway, Suite 204,
Redondo Beach, CA 90277, USA
Telephone: 310-944-5033 Fax: 310-944-9963
9am-5pm Pacific time, Mon-Fri
- VISA/Mastercard accepted
Subscription rates: \$76 surface; \$92 air.



American shops and trade may obtain
copies from Kaimbach Publishing
Toll Free 1 800 558 1544
Canadian shops and trade may obtain
copies from Gordon & Gotch
Toll Free 1 800 438 5005

Questions to Contributors

If you have a question or query you wish to raise with any of the contributors to this magazine, they should be made IN WRITING to the SAM Publications address. None of the contributors are at SAM Publications on a daily basis and the Editor asks for all enquiries to appreciate this fact and be patient. Please understand that the staff at SAM Publications do not have access to the Internet or you require and therefore cannot answer your questions on the phone. Please enclose a stamped SAE with all enquiries, if you anticipate a reply. Thank you.

Samples for Review

Scale Aviation Modeller International is always happy to review new products within its pages. Any item which you feel is appropriate will be given due consideration for inclusion in the title. Any company, trade representative, importer/distributor or shop which wishes to have products reviewed within Scale Aviation Modeller International should send them directly to the editorial address and clearly mark them for the attention of the Editor. Confirmation of receipt of the samples will be supplied if requested. For all international companies use the above address, but please ensure that the package is clearly marked for customs as a sample, free of charge, to reduce the risk of unnecessary delays. Thank you.

Company/Suppliers Address Details & General Enquiries
Please note that the Editor and staff at SAM Publications cannot help with general enquiries about contact details for companies, importers or model shops whose products may be mentioned in Scale Aviation Modeller International if the address information is not included with the review etc. Please check the advertisements in this journal for all suitable UK sources and only contact the firm directly if it is noted that there is 'No UK source'. We are sorry, but we cannot help with details of companies which do not advertise in this magazine. Also note that neither the Editor nor contributors will undertake specific or general aviation research for inquiries. Thank you.

Scale Aviation Modeller International is produced monthly by SAM Publications and is distributed to the news trade by the last Thursday of each month. Next edition date is 25th March 2000.

Kiddyland Ltd

This is a kit manufacturer from China, and they produce a large number of kits in 1/144th, 1/72nd and 1/48th scales.

1/144th

In this scale you can get a set of four SAAF Mirage IIIs.

1/72nd

In this scale you get an F-86 Sabre, the Chinese IDF in either two-seat combat, PR or single-seat combat configurations.

1/48th

In this scale you can get an F-16, Mirage 2000 and an AT-3 in attack configuration.



Please Note

During the last month the ¥ has increased in value in relation to the £ by a considerable margin. As a result of this many of the Japanese manufacturers' prices will soon rise dramatically. You have been warned!

Delta Bits

1/72nd

There are a number of accessory and conversion sets due from Delta, and in this scale they comprise a Tempest Mk VI, Buffalo tailcone, T-34C Turbo Mentor, WWI Seats and a H.P. Halifax cockpit update.

1/48th

New conversion sets in this scale will include a Hurricane PR Mk II and F-16 Block 1-10 Tailplanes.

1/32nd

In this scale there will be a Hurricane Mk I fabric wing, Watts two-blade propeller and a Rotol propeller and spinner.

Rareplanes

Hannants, the owners and manufacturers of this range of vac-formed kits have announced that production will cease on the entire range in 2000. They therefore urge all modellers to obtain any examples they require before they go out of production.

Cobra Company

1/72nd

A new resin night fighter conversion set for the Revell-Monogram F7F (#72007) is now available from Cobra. The set also includes vac-formed canopies and it is £18.95.

1/48th

In this scale Cobra have released a set of Zuni rocket pods (#48017) for the Monogram F-8 Crusader, and a exterior update set for the Monogram Mil Mi-24 (#48018). These sets retail for £14.95 and £15.95 respectively.

Hasegawa

1/200th

Released in Japan during January were the VC-25A 'Air Force One' (#10608/¥2200) and the DC-10-30 'Northwest/KLM' (#10609/¥1300).

Due for release in Japan during February are the Tristar 'RAF' (#10610/¥1500) and the Boeing 767-200 'JTA' (#T36/¥1500).

Sinifer

1/48th

The Grumman Widgeon (#4807) mixed media kit from Sinifer was released in late January and it is £49.95 in the UK.

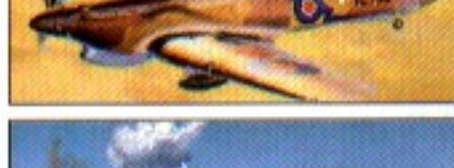


1/72nd

New items available in the UK for January included the Macchi C.202 Early (#00045), Fw 190A-5 (#00046) and J-35J Draken 'Grey Scheme' (#00047), all at £9.99. The new Mitsubishi Ki-67 Type 4 (#CP019) is also now available and it is £16.99.



Reissued once again are the F-20 Tigershark (#00233), A-4E/F Skyhawk (#00239), AV-8A Harrier (#00240), F6F-3/5 Hellcat (#00241), F9F-2 Panther (#00242) and Lightning F Mk 6 (#00245), all of which are £6.50 each.



New items in Japan during January and February include the ES-3A Shadow 'CAG of Sea Shadows' (#00055/¥2200), de Havilland Mosquito NF Mk II (#00050/¥2000), Kawasaki Ki-45 Kai Tei '4th Fighter Regiment Kaitentai' (#00051/¥2800), Mitsubishi F-1 '6th Squadron 40th Anniversary' (#00053/¥1400), EA-6B Prowler 'Wings '99 Atsugi VAQ-136' (#00053/¥2000), Kawasaki T-4 '1st Air Wing 1999, Hamamatsu Special' (#00054/¥2000), S2F-U Tracker 'Target Taker' (#00048/¥2200), P-3C Orion 'VP-47' (#00060/¥3200) and the Me 262 V056 (#GD052/¥1800).

Listed for release in Japan during February are the F-4B Phantom 'Black Special' (#00056/¥2200), Fuji T-3 '12th FTW '99' (#00057/¥1800), F-4EJ Kai 'Aggressor Faker' (#00058/¥2200), F-104S 'NATO 50th Anniversary' (#00059/¥1400), F-15E Strike Eagle (#GE10/¥1200), MiG-29 (#GE11/¥1200), F-14A 'Low-Viz' (#GE2/¥1200), F-14A Tomcat 'Hi-Viz' (#GE3/¥1200), AH-1S Cobra 'JGSDF' (#GE4/¥1200), AH-1S Cobra 'US Army' (#GE5/¥1200), AH-64 Longbow (#GE6/¥1200), S-3A Viking (#GE7/¥1200), EA-3B Prowler 'Hi-Viz' (#GE8/¥1200) and the A-10A Thunderbolt II (#GE9/¥1200).

1/48th

New items in the UK during January in this scale included the Nakajima A6M2-N Rufe (#09322/£17.99), Hurricane MK I Tropical (#09323/£16.99), Messerschmitt Bf 109G-6 'Graf' (#09324/£16.99), Kawasaki T-4 'JASDF' (#PT17/£14.99) and the Mitsubishi A6M5 Type 52 (#JT70/£14.99).

Other new items due in Japan include the Bf 109K-4 'JG53' (#09330/¥2200), along with the reissue of the FG Mk 1 Phantom 'No. 111 Sqn' (#09331/¥3200) and the F-16A 'NATO 50th Anniversary' (#09332/¥2200).

It is interesting to note that in Japan the Monogram F-101B Voodoo (#HM158) and the F-105G Wild Weasel (#HM159) are available under the Hasegawa label. Hopefully this is a sign that these kits will soon be back elsewhere under the Revell-Monogram label, as all the other items released in Japan via Hasegawa have become part of the main Revell-Monogram range soon after.

1/32nd

Due for re-release in Japan in late January was the Messerschmitt Bf 109E 'Maj H. Wick' (#8116/¥3200).

Due in February in Japan are the F-5E Tiger II (#8117/¥3400), Spitfire Mk Vb 'I.R. Glead' (#8118/¥3200) and the F6F-3/5 Hellcat 'Pacific Ace' (#8119/¥3200).

True Details

1/48th

A number of new resin cockpit update sets have recently been released by this firm. They include sets for the Accurate Miniatures P-51 Mustang (#48485), Occidental Spitfire Mk IX (#48487), Tamiya Mosquito FB Mk VI (#48489) and Fw 190F-8 (#48488) and the Hasegawa F6F-5 Hellcat (#48486), Bf 109G-1/4 (#48490), Bf 10G-5/6 (#48491), Bf 109K-4 (#48492) and the Bf 109F (#48493). Each of these sets is £5.95 and 48492 can also be used in the Hobbycraft kit.

Accurate Miniatures

The B-25B 'Doolittle Raider' from Accurate Miniatures should be in the UK by the time these words are read. Please note that the UK price for this kit will not now increase by some 50% to over £50, as previously mentioned, instead we have been informed by the UK importer (Amerang Ltd) that the UK price has been set at £34.99.

We have a sample of this stunning kit, and will give you a better look at it in the future, but for now you can rest assured that it is better than anything Accurate Miniatures have done to date (and we all thought that was not possible!), and the kit even includes weights and die-cut canopy masks.

Also note that the UK price given for the Grumman F3F-1 in the last edition (See Vol 6 Iss 2 Page 133) was incorrect. This kit retails in the UK for £19.99.



Sky Models

1/72nd

A resin kit of the Piaggio PD.808 (#7205) has just been released by this manufacturer. The kit features decals and is £31.50 in the UK.



1/48th

In this scale there is a set of resin ejection seats and an etched update set for the cockpit of the FREM MB-339 kit (#4829) and a set of separate control surfaces for the Hasegawa Macchi C.202 and C.205 (#4830). Each of these sets is £3.99.

Toko

We have just received news that this firm has decided to cease all model kit production. As far as we are aware this will take immediate effect and will concern all existing products.

We have also been told that the new kits that were planned for release, like the Heinkel He 111B, Fokker EV, D.VI and Pfalz D.III/IIIA, will now be produced under another label. To date we have no other information about this new firm, other than it is being set up by elements of the R&D department from Toko.

ICM

During the British Toy & Hobby Fair at Olympia recently ICM announced that they were moving all their UK distribution from

Pocketbond to Amerang Ltd. This change takes immediate effect, and all companies wanting to obtain ICM products should now contact Amerang on 01903 765496.....

Monogram

1/72nd

The special reissue of the SA-16B Albatross (#85-0020) kit is now available in the UK and retails for £11.95.

1/48th

Already available in the 'Monogram Classics' series in this scale are the TBF Avenger (#85-0031), Wright Brothers Kitty Hawk (#85-0030) and the F6F-5 Hellcat (#85-0080).



Revell

1/48th

The AH-1S Cobra (#5444) is now available in the Revell® range and costs £11.99.

Available once again are the B-25J

MPM

1/72nd

The Ryan PT20/SMT-82 with wheels and floats (#72084) is now available from MPM, as is the P-51A Photo-Recce Mustang (#72085). Both kits are limited run injection moulded plastic with vac-formed canopies and etched details and they each retail for £7.50.



Mitchell (#5512/£14.95), F-105D Thunderchief (#5840/£9.99) and the P-61 Black Widow (#7546/£19.99).

RVHP

1/72nd

New resin kits from this manufacturer include the Praga E-39 in either Czech (#7223), Luftwaffe (#7270) or Slovakian (#7271) markings and a Beta Minor Be15C (#7278). Each of these kits is £15.00.

Conversions available in this scale include the C-2A Greyhound (#7245) at £28.50 and the Grumman EC-1A (#7279) at £22.50.

Fujimi

1/72nd

Released in Japan during January were the F-18 Hornet A (#72076/¥2200) and the E-2C Hawkeye (#72079/¥2400).

Due for release in Japan during February is the F/A-18C Strike Hornet 'Chippy Ho!' (#74004) at ¥2000.

Fine Moulds

1/48th

The Ki-43-II Hayabusa Model 2 'Early Type' (#FB-02) is due for release in Japan during February and is ¥2400.

JV Jet Kits

1/72nd

This firm has just released three new resin kits. The subjects of these kits are the Su-15 (#7207), DSu-15T (#7208) and the Su-15TM (#7209) and they each retail for £19.95.

News Update

Tamiya

1/48th

Apart from the F4U-1A Corsair (#61070) that was released by Tamiya in January, the other news is in relation to the price in the UK of their Swordfish. The floatplane version was due in late January and we have been advised that the UK price for this kit will be £46.99, with the etched detail fret for it being £9.99. We have also been told that the UK price of the existing Swordfish kit will also rise to £46.99.



Dujin

1/72nd

A number of new and reissued resin kits are due from Dujin. The new kits will include the F+W C.3605 (#DA72125), Breguet Br.905 Fauvette (#DP7212), Wassmer WA 22 Super Javelot (#DP7213) and Scheibe Spatz/A60 Fauconnet (#DP7214). Due for reissue is the Potez Po.620/650 conversion for the Heller or Smer Potez 540 (#DC720). Other reissued kits will include the Fairey Fox II/III, Fox VII/Kangourou and Fox VI/VIII.

Corrections

A number of errors have been noted in the article on the Pe-2 that we included in the January edition (Vol 6 Iss 1). Corrections for these are listed below and our thanks to Igor A. Shestakov for the corrections and our apologies to our readership for any problems this may have caused.

Page 54

The title should read Pyetyakov (sometimes spelled as Petlyakov). Also the Pe-2 was known as Pyeshka, not Peshka. Pikuyushchiy (in the second column) was mis-spelt as Pkiuyushchzy and in the fourth column, Irkutsk was mis-spelt as Irkuck.

Page 55

The expression in the first column "...to take a 20mm Berezin cannon." is incorrect, as the weapon used was a 12.7mm machine gun UB (Universalny Berezina). The 20mm cannon (B-20) was adopted only in 1945, while the described Pe-2 version called 'F2' was built in 1943.

In the same column there is the statement "...never reached series production.", which is incorrect, as this version was in fact built in a LIMITED series.

The statement "RS rocket missiles" in the second column is incorrect, as the RS was a free-flight, unguided rocket, not a missile.

Page 56

In the first column the use of the term 'Shperacz' may be incorrect, as there is no Russian word similar to this.

Most of the above corrections are based on the most comprehensive book on Soviet aircraft history: 'The History of Constructions of the Airplanes in the USSR, 1938-50' by V.B. Shavrov.

Check out our Low Prices & Great selection of Fine Molds kits

Scale Modelers

www.Kitlink.com

Your source for the finest kits and accessories from around the world.

- **Reviews**
- **Trivia Game with prizes**
- **Modeling Help Desk**
- **Attractive foreign shipping rates**
- **Aircraft, Ships, Armor, Books, Detail Parts, Decals**
- **Most items in-stock**
- **Fast order processing**
- **Huge Discounts**

It's time to expect more from an Online Hobby Store!

www.Kitlink.com



News Update Special British International Toy & Hobby Fair

This year's event, which ran from the 29th January to the 2nd February 2000, was once again held at Olympia.

Our general impression was one of reduced activity in the model category and with firms like Mattel and Toys R Us seeing their share's value plummet and apparently going to announce large losses this year, it may well be that this has an affect on the hobby as a whole.

Enough of the doom and gloom though, as there were a number of new items with all the major companies, as well as some unexpected reissues.

Italeri Spa

UK Importer: Richard Kohnstam Ltd

Kit No	Item	Status	Due	Note
1/72nd Scale				
1203	H-21 Gunship	C	-	-
1206	H-19 B/S-55 Chicksaw	C	-	-
1201	AB-204B	C	-	-
1210	HH-60H Seahawk	C	-	-
008	JAS 39A Gripen	N*	-	-
1202	F-14B Tomcat	C	-	-
1208	Boeing JSF X-32	N	-	-
1209	Lockheed JSF X-35	N	-	-
1207	F-22 Raptor	N	-	-
1204	F-16A/B 'NATO Falcon'	R	-	-
1211	BAe Hawk 100	N	-	-
1212	Sukhoi S-37 Berkut	N	-	-
1205	Messerschmitt Bf 110D-3	C	-	-
112	CANT Z.501	R	-	Ltd
117	Junkers Ju 188A-1/E-1	R	-	Ltd
167	AC-47 Gunship	R	-	-
122	Dornier Do 24T	R	-	Ltd
1/48th Scale				
862	EF-2000 Typhoon 2-seat	N	-	-
864	U-2R Senior Span	C	-	-
865	F-15E Strike Eagle	N	-	-
866	AC-130U Spectre Gunship	C	-	-
863	WAH-64D Longbow Aache	N	-	-
1/35th Scale				
381	AH-1W Super Cobra	R	-	Ex-MRC
1/32nd Scale				
155	F-19 Stealth	R	-	Ex-Testors
155	F-117 Stealth	R	-	Ex-Testors

Tamiya Inc

UK Importer: Richard Kohnstam Ltd

Kit No	Item	Status	Due	Note
1/48th Scale				
61069	Fairey Swordfish Floatplane	C	Now	-

Revell®

UK Distributor: Revell®, Binney & Smith (Europe) Ltd.

Kit No	Item	Status	Due	Note
1/200th				
04825	Zeppelin NT	N	-	-
1/144th Scale				
04000	Sukhoi Su-37 Berkut	N	Nov	-
04609	Erkanopplan A-90 Orjonook	N	Apr	-
04247	Airbus A321 'Swissair'	R	-	-
04240	Airbus A-320 'Condor'	R	-	-
04245	Boeing 737-800 'KLM'	R	-	-
04455	NATO Helicopter NH 90	N	-	-
04459	CH-47D Chinook	N	-	-
1/72nd Scale				
04145	Mistel 5 (He 162/E.577a)	R	-	Ex-Dragon
04324	Dornier Do 335A-1	R	-	Ex-Dragon
04616	Heinkel He 177A-5	N	-	-
04147	Fw 190F-8/R14 Torpedojäger	R	-	-
04146	Me 262A-1a/U3 Reconnaissance	C	-	-
04152	Bf 109G & Spitfire Mk Vb	P#1	-	-
04161	Fw 190A-8 & Hurricane Mk IIc	P#1	-	-
04151	Me 262A & P-51B Mustang	P#1	-	-
04619	Panavia Tornado GR Mk 1	N	-	-
04390	Panavia Tornado 'Spirit of Boelcke'	R	-	-
04617	Panavia Tornado ECR	C	-	-
04611	SAAB JAS 39 Gripen	N*	-	-
04370	Fiat G.91R1/R3	N*	-	-





Kit No	Item	Status	Due	Note
04608	Boeing B-52D Stratofortress	R	-	-
04615	F-4F Phantom	C	-	-
04614	Grumman A-6E Trum Intruder	N	-	Co-op
04322	F-14A Tomcat	C	-	-
04618	F-22 Raptor	N	-	Ex-Italeri
04612	F-16A 'MLU'	R	-	-
04457	EC-135 'ADAC'	N	-	-
04456	Agusta A-109 Military	C	-	-
04461	Bell 412 KLu 'SAR'	C#2	-	-
04460	Sikorsky H-19	N	-	Co-op

1/48th Scale

04613	Bachem Ba 349A Natter & tower	R	-	Ex-Dragon
04546	Messerschmitt Me 163B-1a	R	-	Ex-Dragon
04548	Fw 190D-11	C	-	Ex-Dragon
04545	Lockheed F-117 Nighthawk	N#3	-	-
04550	McDD F-15E Strike Eagle	N	-	-
04556	Northrop F-5E Tiger II	R	-	Ex-Monogram
04560	Rockwell B-1B Lancer	R	-	Ex-Monogram
04551	Eurofighter Typhoon	N	-	Co-op
04549	Dassault Rafale B 2-seat	C	-	-

1/32nd Scale

04453	Bo-105 PAH 'Hornisse'	R	-	-
-------	-----------------------	---	---	---

#1. Note that these kits consist of the recent new tooled versions of each

subject, and are not the older examples produced by Revell®

#2. This kit will also feature an RAF marking option.

#3. The F-117 may in fact turn out to be the Italeri tooling.

Airfix

Distributor: Humbrol Ltd

Kit No	Item	Status	Due	Note
--------	------	--------	-----	------

1/144th Scale

00105	SAAB Viggen	N	Mar	-
00106	F-104 Starfighter	N	Mar	-
03178	BAC 1-11	R	Apr	-

1/72nd Scale

00033	Hawker P.1127	R	Apr	-
00060	Piper Cherokee Arrow	R	Apr	-
00061	SA Bulldog	R	Apr	-
02051	Henschel Hs 123A-1		Jan	-
02048	Messerschmitt Bf 109E	R	Mar	-
03030	Junkers Ju 87B	R	Mar	-
10999	Battle of Britain Memorial Flight (Lancaster/Spitfire IIa/Hurricane IIc)	P	Mar	-

Kit No	Item	Status	Due	Note
01747	RAF Personnel	R	Mar	-
01758	NATO Ground Crew	N	Mar	-
94025	F-16A/B Fighting Falcon	P	-	GP
94036	Eurofighter Typhoon	P	-	GP
94039	BAe Harrier GR.7	P	-	GP
95025	F-117A Stealth	P	-	GP

1/48th Scale

05108	Grumman F6F-3 Hellcat	N	Jun	Ex-Otaki
05109	Kittyhawk Mk Ia	N	Jun	Ex-Otaki
05107	Spitfire Mk VIIIc	N	Jun	Ex-Otaki

1/24th Scale

18003	Harrier GR.3/AV-8A/AV-8S	C	Apr	-
-------	--------------------------	---	-----	---

Minicraft

UK Importer: Toyway Ltd

Kit No	Item	Status	Due	Note
--------	------	--------	-----	------

1/144th Scale

14452	McDD MD-80 (TWA)	N	-	-
14453	Boeing 747-300 (KLM)	N	-	-
14454	Boeing 707-300 (TWA)	N	-	-
14455	Boeing 707-430 (Lufthansa)	N	-	-
14456	Boeing 747-400 (Northwest)	N	-	-
14457	USAF Air Force One	N	-	-
14458	Douglas DC-3 (Western)	R	-	-
14459	Douglas DC-6B (Mandarin)	R	-	-
14460	Lockheed L-1049G (Air India)	R	-	-
14461	Lockheed L-188 (National)	R	-	-
14462	Boeing 737-300 (Aer Lingus)	R	-	-
14463	Boeing 757-200 (AA Retrograde)	C	-	-
14464	Boeing 737-400 (Cayman Air)	R	-	-
14465	Boeing 727-200 (Northwest)	N	-	-
14466	Boeing B-377 (Overseas)	R	-	-
14467	Boeing 757-200 [P&W] (Northwest)	C	-	-
13010	Boeing 737-300	P	-	'Ready Kit'

1/72nd Scale

13008	F-18A Hornet	P	-	'Ready Kit'
13011	B-29A Superfortress	P	-	'Ready Kit'

1/48th Scale

11625	P-38J Lightning	N*	-	-
11627	Lockheed F-5E	N*	-	-
11628	XF5F-1 (Long-nose) Skyrocket	C	-	-

Note: 'Ready Kits' include Acrylic Paint, Glue and a Paintbrush

Continued...





News Update Special British International Toy & Hobby Fair

Hasegawa
UK Distributor: Amerang Ltd

Kit No	Item	Status	Due	Note
1/200th Scale				
	747-200 'Japan Asia Airways'	R	-	-
11027	E-767 AWACS 'JASDF'	C	-	-
10608	VC-25A 'Air Force One'	R	-	-
10609	DC-10-30 'KLM/Northwest'	N	-	-
1/72nd Scale				
51219	Mitsubishi Ki-67 Type 4 Hiryu	N	Now	-
00048	S2F-U Tracker 'Target Tow Drone'	R	Jan	-
00049	Messerschmitt Me 262 V-10 with flying bomb	C	Jan	-
00531	F-117A Stealth	N	Jan	-
00050	DH Mosquito NF Mk II	N	-	-
00051	Kawasaki Ki-45 Kai Tei '4th Flight Reg Kaitentai'	R	-	-
00052	Mitsubishi F-1 '6th Squadron 40th Anniversary'	R	-	-
00053	EA-6B 'Wings 99 Atsugi VAQ-136'	R	-	-
00054	Kawasaki T-4 '1st Air Wing '99 Hamamatsu Special'	R	-	-
00055	Grumman ES-3A 'CAG of Sea Shadows'	R	-	-
CP5	Mitsubishi Ki-46-II Dinah	N	-	-
1/48th Scale				
09324	Bf 109G-6 'Graf'	R	-	-
09325	Nakajima B6N1 Tenzan Type 11 'Mamoru Engine'	C	Jan	-
09326	Messerschmitt Bf 109T	N	-	-
09327	F/A-18C 'VF-115 Eagles'	R	-	-

Kit No	Item	Status	Due	Note
09328	QF-4N Phantom Drone	R	-	-
PT17	Kawasaki T-4 'JASDF'	N	-	-
09327	F-14A Tomcat 'Lantirn'	C	-	-
09330	Bf 109K-4 'JG53'	R	-	-
09331	Phantom FG Mk 1 'No. 111 Sqn'	R	-	-
09332	F-16A 'NATO 50th Anniversary'	R	-	-
PT19	Lockheed F-104C	N	-	-
PT18	Lockheed F-104J	N	-	-
V10	F-16C (Block 50) Fighting Falcon	N	-	-
JT73	Kawanishi N1K2-J 'George'	N	-	-
X48-8	US Missiles, Bombs & Launcher Set	N	-	-

1/32nd Scale

08114	A-4E/F Skyhawk 'Top Gun'	R	-	-
08115	P-51D 'Glamorous Glenn III'	R	-	-
08116	Bf 109E 'Major H. Wick'	R	-	-

Key

R = Re-issue (with/without new decals)
C = Revised or Converted Tooling
N = New Tooling
P = Revised or Special Packaging of Existing Kits
* = Item Carried Forward from Last Year's Release Schedule

Ltd = Limited Re-issue
Co-op = Co-operative Tooling Agreement Between Two Manufacturers
= Note
GP = Gift Pack including Acrylic Paint, Glue and Paintbrush





During the 1930's Junkers started the development for a transporter aircraft that would also be able to double as a passenger carrier.

THE JU 52 - A LEGEND STILL FLYING TODAY

JUNKERS JU 52 3m g4e

Originally just one engine was planned as this was felt to be sufficient for a cargo plane. However, due to safety concerns over carrying passengers, the construction allowed for additional engines to be fitted to the wings.

The Ju 52/1 made its maiden flight with just one 685 hp BMW VII engine, and in 1931 the Ju 52/3 was introduced with 3 BMW 132A Star engines,

becoming affectionately known as Aunty Ju 52 due to her dependability and outstanding safety record. Immediately identifiable by the unmistakable corrugations in the fuselage the

Ju 52 has been accurately recreated by the Revell toolmakers for this brand new 1:48 scale model kit.

By 1944 over 5000 Ju 52's had been built, 3500 alone used for military purposes. The Ju 52 has also been in service with over 30 airlines around the world, and several Ju 52's can still be seen flying today.

Two separate versions of the Ju 52 will be available. The standard Revell item features 2 separate decal options.

The Pro-Modeler version will feature two separate

build options, silk screen decals and in depth instruction booklet featuring detailed photos of the actual aircraft.

Available from all good model stockists. The 1999 catalogue is also now available.

New Tooling

Accurate corrugations

Detailed cockpit and instrument panel

Detailed interior with seating

Super detailed surface structure

Wing span over 60 cm

Detailed BMW engines

Weighted tyres

Figures included

**PRO
MODELER**
by Revell-Monogram

Revell

The world's leading modelling company.

**BINNEY
& SMITH**

Binney & Smith (Europe) Ltd, Ampthill Road, Bedford, MK42 9RS. Tel: 01234 360201. Fax: 01234 342110.

©Revell & ProModeler are registered trademarks of Revell-Monogram Inc.



Mikoyan MiG-8

Scale: 1/72nd
Price: £TBA
Panel Lines: Recessed ✓
Status: New Tooling ✓
Type: Resin & Vac-formed Clear
Parts: 26 Resin, 1 Clear
Decal Options: N/A
Manufacturer: Unicraft
Obtain in UK via: Hannants & The Turntable

McDONNELL DOUGLAS F-15J EAGLE



McDonnell-Douglas F-15J Eagle

Scale: 1/32nd Price: £TBA
Kit No: 60307
Panel Lines: Recessed ✓
Status: Revised Tooling ✓
Plastic Colour: Grey
Type: Injection Moulded Plastic, Rubber 3 & White Metal 3
Parts: Plastic 354, Clear 22
Also Includes: 23 Screws, 2 Nuts & 1 Spring
Decal Options: Any JASDF F-15J unit
Manufacturer: Tamiya Inc
UK Distributor: Richard Kohnstam Ltd.

AVIATIK - BERG D.I SERIES 138



Aviatik-Berg D.I Series 138

Scale: 1/48th Price: £TBA
Kit No: LKH8923
Panel Lines: Recessed ✓
Status: New Tooling ✓
Plastic Colour: Dark Grey
Type: Injection Moulded Plastic, Resin & Etched Brass
Parts: Plastic 30, Resin 10, Etched 28, Clear 2, Rubber 2, Acetate 1
Decal Options: 2
Manufacturer: Flashback/Artur (A.M.C.)
Obtain in the UK via: LSA Models & Hannants



Piaggio P.136L

Scale: 1/72nd Price: \$10 (+P&P)
Kit No: MS-73
Panel Lines: Recessed ✓
Status: New Tooling ✓
Type: Limited-run & Vac-formed Plastic
Parts: Plastic 34 (Inj), 19 (Vac), 3 Clear
Decal Options: N/A
Manufacturer: Broplan
Obtain in UK via: Aeroclub & Andy Pack Models



Atlas Cheetah C

Scale: 1/72nd
Price: Aus\$36.00 (£20.00)
Kit No: 72017
Panel Lines: Recessed ✓
Status: New Tooling ✓
Plastic Colour: Light Blue
Type: Limited-run Injection Moulded Plastic, Resin, White Metal & Vac-formed Clear
Parts: Plastic 38, Resin 6, Metal 11, Clear 1
Decal Options: Large Selection of Serial Numbers etc
Manufacturer: High Planes Models
Obtain in UK via: Hannants

P-51D MUSTANG "RED BARON" UNLIMITED RACER



P-51D Mustang Red Baron

Scale: 1/72nd
Price: Aus\$26.00 (£14.00)
Kit No: 72012
Panel Lines: Recessed ✓
Status: New Tooling ✓
Plastic Colour: Light Blue
Type: Limited-run Injection Moulded Plastic, White Metal & Vac-formed Clear
Parts: Plastic 28, Metal 3, Clear 1
Decal Options: 1
Manufacturer: High Planes Models
Obtain in UK via: Hannants



AT-3A

Scale: 1/48th
Price: £TBA
Panel Lines: Recessed ✓
Status: New Tooling ✓
Plastic Colour: Grey
Type: Injection Moulded Plastic
Parts: Plastic 88, Clear 5
Decal Options: 1
Manufacturer: Kiddyland Enterprises Ltd



Martin-Baker Tankbuster

Scale: 1/72nd Price: £TBA
Panel Lines: Recessed ✓
Status: New Tooling ✓
Type: Resin & Vac-formed Clear
Parts: 18 Resin, 1 Clear
Decal Options: N/A
Manufacturer: Unicraft
Obtain in UK via: Hannants & The Turntable



Fokker D.II

Scale: 1/48th Price: £TBA
Kit No: 003/1199
Panel Lines: Recessed ✓
Status: New Tooling ✓
Plastic Colour: Light Grey
Type: Injection Moulded Plastic & Etched Brass
Parts: Plastic 43, Etched 27
Decal Options: 2
Manufacturer: Gavia
Obtain in the UK via: LSA Models & Hannants

Boeing 747-400 UNITED AIRLINES



Boeing 747-400 United Airlines

Scale: 1/144th Price: £TBA
Kit No: 85-4672
Panel Lines: Recessed ✓
Status: New Decals ✓
Plastic Colour: White
Type: Injection Moulded Plastic
Parts: Plastic 87, Clear 4
Decal Options: 1
Manufacturer: Revell-Monogram Inc
UK Distributor: Revell, Binney & Smith (Europe) Ltd.

De Havilland Mosquito FB Mk.VI/NF Mk.II



de Havilland Mosquito FB Mk VI/NF Mk II

Scale: 1/72nd Price: £TBA
Kit No: 60747
Panel Lines: Recessed ✓
Status: New Tooling ✓
Plastic Colour: Grey
Type: Injection Moulded Plastic
Parts: Plastic 126, Clear 11
Decal Options: 3
Manufacturer: Tamiya Inc
UK Distributor: Richard Kohnstam Ltd.



IDF

Scale: 1/72nd
Price: £TBA
Panel Lines: Recessed ✓
Status: New Tooling ✓
Plastic Colour: White & Grey
Type: Injection Moulded Plastic
Parts: Plastic 104 (White), 88 (Grey), Clear 2
Decal Options: 1
Manufacturer: Kiddyland Enterprises Ltd



Mr Awesome Yak-11 Racer

Scale: 1/72nd Price: Aus\$28.00 (£14.00)
Kit No: 008
Panel Lines: Recessed ✓
Status: New Tooling ✓
Plastic Colour: Light Blue
Type: Limited-run Injection Moulded Plastic, White Metal & Vac-formed Clear
Parts: Plastic 34, Metal 3, Clear 1
Decal Option: 1
Manufacturer: High Planes Models
Obtain in UK via: Hannants



Northrop F-5E Tiger II

Scale: 1/48th Price: £TBA
Kit No: 85-5495
Panel Lines: Recessed ✓
Status: Reissue ✓
Plastic Colour: Grey
Type: Injection Moulded Plastic
Parts: Plastic 63, Clear 3
Decal Options: 2
Manufacturer: Revell-Monogram Inc
UK Distributor: Revell®, Binney & Smith (Europe) Ltd



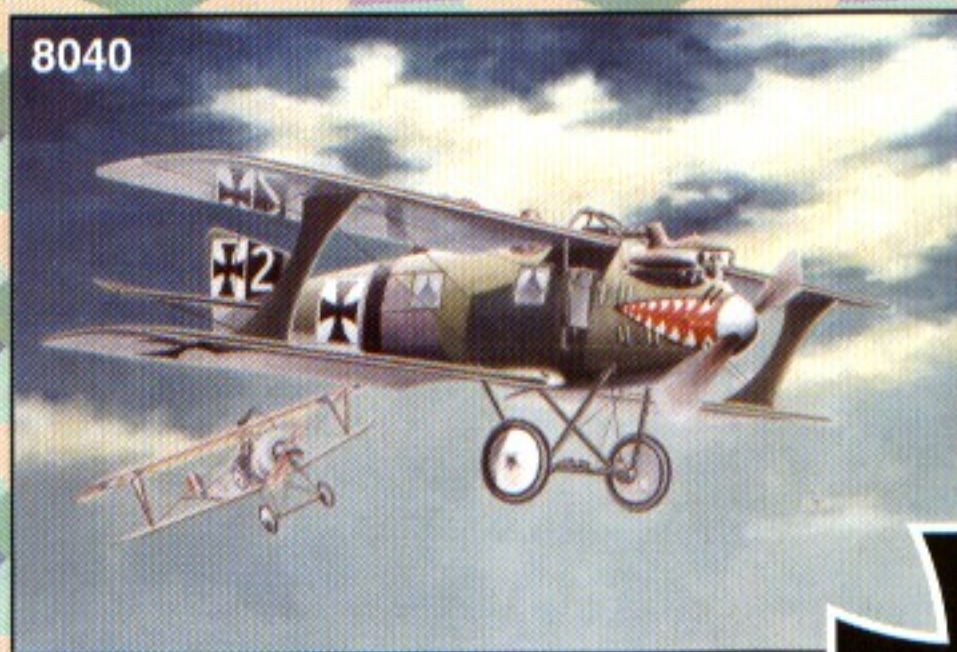
Lockheed P-38J Lightning

Scale: 1/48th Price: £TBA
Kit No: 85-5479
Panel Lines: Recessed ✓
Status: Reissue ✓
Plastic Colour: Silver & Black
Type: Injection Moulded Plastic
Parts: Plastic 88, Clear 17
Decal Options: 3
Manufacturer: Revell-Monogram Inc
UK Distributor: Revell®, Binney & Smith (Europe) Ltd

Wickers 66 Vimy Commercial (Vernon Mk I)

Scale: 1/72nd Price: £15.95
Origin: Frog (UK)
Kit No: MQ-7222
Panel Lines: Recessed ✓
Status: Reissue ✓
Plastic Colour: Grey & White
Type: Injection Moulded Plastic
Parts: Plastic 80, Clear 8
Decal Options: 3
Manufacturer: Maquette
UK Distributor: Pocketbond Ltd

8040



eduard

Roland C.II

Walfish



This kit has more than 150 plastic parts and includes injected clear canopy and windows.

Both versions have full Express Mask and the Profipack version comes with photo etched parts and XL decal sheet for three aircraft.

The easiest and most detailed kit of the Roland available for sale.



8041

MOTOR BOOKS

Europes best Transport Bookshop (Est. 1957)

33 St Martin's Court, London, WC2N 4AN

Tel: (+44) 0171 836 5376.

Fax: (+44) 0171 497 2539.

E-mail: info@motorbooks.co.uk

Internet: www.motorbooks.co.uk

Opening hours:

M-F 0930 - 1800 (Thursdays until 1900),

Sat 1030 - 1730

Also at: 8 The Roundway, Oxford OX3 8DH.

Tel: (+44) 01865 766215

Fax: (+44) 01865 763555

- Opening hours: Mon-Sat 0915 - 1730

MAIL ORDER POST & PACKING:

Inland: 10% of order value

(Minimum charge £3.50).

Orders over £50 post free.

1st Class/Express prices on request.

Overseas:

15% of order value (Minimum £5.00).

Please specify if Air Mail required.

Due, Recent and New Titles, Major Publishers

Please note that publishers' prices are subject to alteration without notice.

• Airline

Airline Tech 1: Constellation	£11.95
Airline Tech 2: Boeing 777	£11.95
Airline Tech 4: Douglas DC-6 & DC-7	£11.95
DH Comet (Including Airlines & Liveries)	£19.95
Lockheed Hudson at War	£22.95
MiG-29 Fulcrum, Multi Role fighter	£24.95
SU-27 Flanker, Air Superiority Fighter	£24.95
Warbird Tech Vol. 23: P-47 Thunderbolt	£9.95
Warbird Tech Vol. 24: Convair B-36	£9.95
Warbird Tech Vol. 25: Lockheed Martin F-117	£9.95
Warbird Tech Vol. 26: Avro Vulcan	£9.95

• Crowood Aviation Series

Avro Lancaster	£25.00
Boeing 757 & 767	£29.95
Douglas Skyraider	£29.95
English Electric Canberra & Martin B-57	£29.95
Lockheed C-130 Hercules	£29.95

• Midland

Aircraft of the Military Air Transport Service	£24.95
De Havilland Tiger Moth	£29.95
Soviet Combat Aircraft of WW2 Vol. 2	£24.95

• Modellers Datafile

No. 1: De Havilland Mosquito	£14.99
No. 2: Hawker Hurricane	£14.99
No. 3: Supermarine Spitfire 1: Merlin Powered (due early 2000)	£17.99

• Osprey

Frontline Colour 1: F-51 Units Over Korea	£13.99
Frontline Colour 2: F-86 Sabre F/B Units Over Korea	£13.99
Aviation Pioneers 1: X-Planes 1891-1970	£9.99
Aviation Pioneers 2: Risk Takers	£9.99

(Signed copies of both APs while stocks last!)

• Aircraft of the Aces

No. 29 BF 109F/G/K Aces of the Western Front	£11.99
No. 30 P-47 Thunderbolt Aces of 9th & 15th Afs	£11.99

• Combat Aircraft

No. 15 B-24 Units of the 8th	£11.99
No. 16 TBF/TBM Avenger Units of WW2	£11.99

• Production Line to Frontline/Flightline

Boeing B-17 Flying Fortress	£13.99
Lockheed P-38 Lightning	£13.99
NAA P-51 Mustang	£13.99

• Schiffer Pubs

ACC Bomber Triad, B-52s, B-1, B-2s	£45.00
Bachem Ba 349 Natter	£12.95
Convair B-36 Photo Chronicle	£7.95
Focke-Wulf Ta 152	£27.50
Focke-Wulf TA 154 (Profile No 12)	£12.95
Japanese Aircraft Code Names & Designations	£12.95
Junkers Ju 52 (Profile Series No 14)	£12.95
Messerschmitt BF 109 (Profile No 13)	£12.95
Messerschmitt BF 109 F-K	£27.50

• Squadron Signal

P-39 Airacobra (D&S No.63)	£10.95
P-40 Warhawk Part 1 (D&S No 61)	£10.95
P-40 Warhawk Part 2 (D&S No 62)	£10.95

• Warpaint

No.8 Hawker Hunter	£11.50
No.20 Supermarine Seafire	£9.50
No.21 Armstrong Whitworth Whitley	£8.50
No.22 Gloster Meteor	£16.50

We stock the following publishers/lines

• Aerolax	• Crecy	• Monogram	• Squadron
• Aerospace	• Crowood	• Motorbooks	• Signal
• Airline	• Aviation	• International	• Warpaint
• Airline Tech	• Detail & Scale	• Osprey	• Warbird Tech
• Air Intl.	• Greenhill	• Polish & Czech	• Windsock
• AJ Press	• Grubstreet	• Monographs	• Wings of Fame
• Allan Sutton	• Ian Allan	• Salamander	• World Airpower
• Arms & Armour	• Midland	• Schiffer	• Journal

Hansa-Brandenburg D.I

Technical Data

Manufacturer: Toko
Scale: 1/72nd
Price: £4.75
Kit No: 117
Panel Lines: Recessed ✓
Status: New Tooling ✓
Type: Injection Moulded Plastic
Parts: 36 Plastic (Grey)
Decal Options: 1
Manufacturer: Toko (Ukraine)
UK Importer: Pocketbond Ltd



The Kit

Thirty six injection components, including optional parts, all to Toko's usual high standards, are presented on two sprues and complemented by a comprehensive decal sheet to depict the 'Star Strutter' or 'KD' flown by Austro-Hungary's top scoring ace Godwin Brumowski.

The perceptive modeller will notice during this initial parts examination that the wings are provided with strut sockets, but that the star struts have concave feet with no pins to engage the sockets. Examination of photo references shows that tailplane to fin upper and lower struts are not supplied in the kit. Further, whilst the earliest D.I's were fitted with only one set of front cabane struts, later machines, like Brumowski's No 28.69, had full 'N' type cabane struts forming an inverted vee trestle to support the centre section of the top wing. Earlier machines with just two struts were apparently modified with various additional cabane strut arrangements including the final N type.

Instructions

These comprise four loose leaf pages with brief history and technical specification, sprue diagram, eight-stage exploded construction diagrams, painting and decal instructions to complement the excellent colour box art. The suggested construction sequence is not entirely logical, commencing as it does by recommending that the undercarriage be assembled in stage one and attached to the fuselage in stage eight! It's far more practical to assemble the undercarriage and attach it immediately to the virtually complete model.

Apart from this aberration the instructions provide sufficient information to complete the kit, but good references such as Harleyfords 'Fighter Aircraft of the 1914-1918 War' and in Dr Martin O'Connor's 'Air Aces of the Austro-Hungarian Empire 1914-1918' are invaluable, for although a relatively small number of Hansa-Brandenburg D.I's were produced there were small, but pictorial evidence shows significant changes both between different machines and even on the same machine at different stages in its life.

Construction

The cockpit and fuselage were assembled first with little difficulty. If the fully cowled motor version is built then the modeller must consult the box art to fashion a slot in the starboard side of part 24B to accommodate the exhaust manifold part 15A. The manifold should, however, be attached at a much later stage to ensure that the manifold does not obstruct correct location of the right front cabane strut in its correct position.

Fuselage and wings were then sprayed gloss white to facilitate decal adhesion. When dry, a mix of many parts Humbrol Matt White to Brown (No.110) to give the effect of bleached linen, was brushed onto the under surfaces of the main planes and both top and both sides of the tail surfaces.

After the cowling area had been painted grey and dried the fuselage wood effect decals were applied with liberal quantities of Microsol softener. I waited for one side to dry completely before applying the decal to the other side. There was some residual wrinkling, but further applications of "Microsol" reduced this to insignificance. Wing surface decals were applied next and followed by the national markings and aircraft number. A final wood effect decal was added to the upper wing machine gun cowling.

With the decals dry the underside of the fuselage needs painting and I chose to use various Humbrol browns in a scumble finish over the gloss white to try and match the decal. When dry the lower wings were glued in position, the 'star struts' painted brown with grey cuffs prior to attachment. Throughout construction up to this point I was wondering how to fix the star struts with their concave feet to the wings. It has to be said that the otherwise masterful Toko lost the plot here. There must be a better way to do it than the one I describe below. When I make the next D.I, I will drill the struts and fix wire dowels to engage the socket locations and try and do a better job of it. Photo references show that the large cuffs on the star struts where they join each other or attach to the fuselage and wings were sometimes left off. This was certainly true of Brumowski's earlier D.I No 65.53. This means that the cuffs could be filed off and the ends drilled to take wire to allow engagement with the fixing sockets provided. If this route is chosen then the modeller must remember that the 'star strut' centre (i.e. the middle of parts 29) is a streamlined egg shaped body.

In the end I opted for a freehand solution lightly filing the ends of the struts flat and gluing directly onto the decal covered surfaces with Revell Contacta. By no means ideal it worked better than it sounds. Here is the detailed written explanation, but I fear a full video is really required to achieve an effective report...

The 'V' upper outer portions of the star struts numbers 30 & 31B were glued to the relevant centres of the two 'X' shaped struts, 29B, using the front elevation scale drawing on page 19 of the Harleyfords reference

(detailed above) to achieve the correct angle. Using Revell Contacta it was relatively easy to do this and ensure the alignment of the top of the struts with the socket holes in the top wing as the glue went off. Once one assembly had dried, it was used as a model for the second. Next the inboard lower inverted 'V' strut sections parts 32 & 33B were attached to the fuselage just above the front undercarriage strut socket and inboard strut location on the lower wing with drops of glue. Before this was completely set the rest of the star strut (parts 29/30 and 29/31) was attached to the Vee's of parts 32/33 and to the outboard lower wing locations. The star struts were adjusted so that the four inboard upper ends of the parts 29 aligned just each side of the fuselage centre line with sufficient clearance to allow the cabane struts to locate in the upper wing.

The top wing was then glued into position (note the inboard front part 29 on the starboard side has to be carefully profiled to clear the upper wing radiator), front cabane struts (parts 14A) attached and sprue used to fabricate the rear and transverse portions of the full N strut trestle appropriate to the later D.I's.

The rest was, mercifully, simple!

Accuracy

No problems with the plastic here! The machine has a span of 27ft 11in and length of 20ft 10in making it a mere 2 scale inches too short on span and length (metric conversion differences?) It matches the plans in Harleyfords very closely and captures the look of the original right down to the reflex camber on the ailerons. Splendid!!

The tailplanes (parts 25 & 26B) have a significant airfoil concave section, which I could not prove or disprove from the photos and drawings available. I suspect that they are correct, having read that early designers used an inverted airfoil on tail surfaces to increase the necessary down force to secure stable level flight with minimal drag. Toko appear to have got this right, which is a very nice touch!

More contentious will be the decal rendition of the ply fuselage and the wing upper surfaces camouflage, which has a

bright, Pea Green, background with an equally strident, almost regular and very sharp yellow span-wise horizontal 'S' pattern overlay. There is a black and white photograph on page 15 of Dr O'Connor's book, which purports to show Brumowski leaning on the port lower wing of 28.69. This shows the 'S' squiggles to be much more dense, overlapping and random, varying from very ornate S shapes to commas, italic 6's and everything in between.

Decals

The decal quality and fit was excellent, but due care must be exercised when wetting to let the individual items straighten out naturally. Any attempt to force the process will result in a fracture. Microsol products worked well to assure best conformity with complex curves and shapes. Even better, standard Humbrol enamels provided good colour matches to touch up defects and damage in the decal film. Minimal trimming off of excess decal was required on the fuselage and wings.

Decal Rating = 9/10.

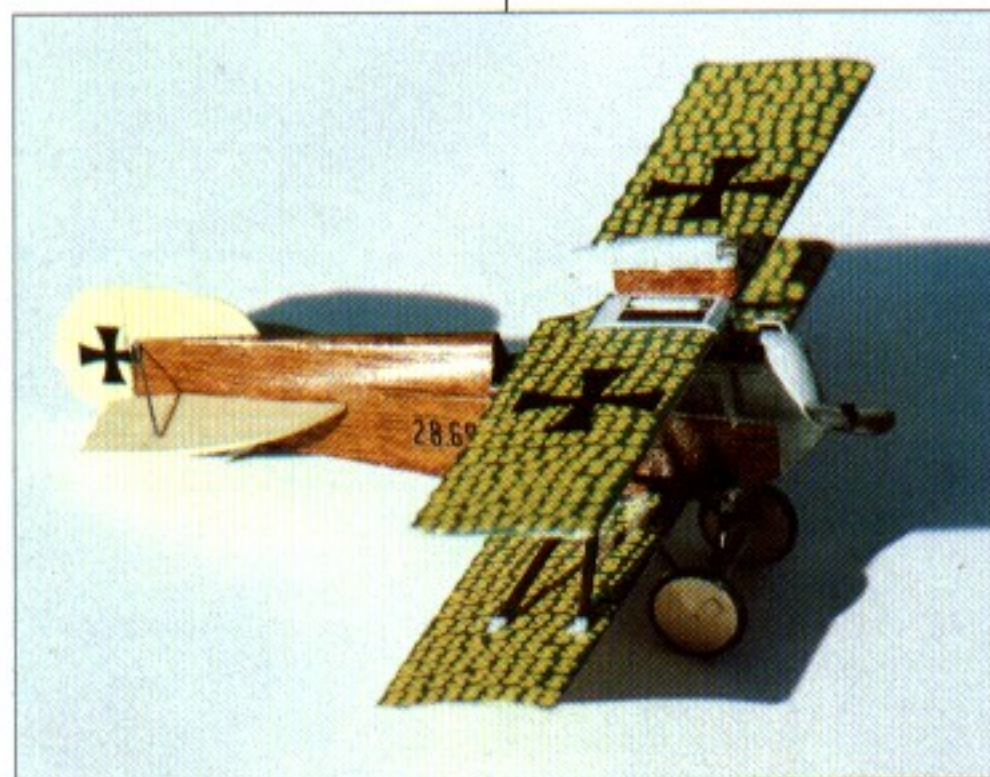
Conclusion & Recommendation

A superb rendition of one of Earnest Heinkel's earliest designs and excellent value for money, notwithstanding the problems associated with the struts. This was such a pity. Toko missed an opportunity to create one of the few biplanes which comparative beginners can construct easily and accurately. I suppose a revised kit is out of the question and this delightful aeroplane will be restricted to the more skilled and patient of the modelling fraternity, who have access to good plans?

Turning to the decals, I believe that Toko should be applauded for their initiative. They enable a high standard of finish to be achieved, which many will find difficult to better. Those who can do better are not disadvantaged.

Congratulations to Toko for more WWI gold and thanks to Pocketbond for the review sample.

Simon Snape



North American F-100D Super Sabre

Technical Data

Manufacturer: Revell®
Origin: Italeri (Italy)
Scale: 1/72nd **Price:** £8.95
Panel Lines: Recessed ✓
Status: New Tooling ✓
Type: Injection Moulded Plastic
Parts: 68 Plastic (Grey), 2 Clear
Decal Options: 2
Distributor: Revell® Binney & Smith (Europe) Ltd.



The Kit

Presented in a colourful end-opening box with a very nice illustration of a USAF machine on the top, this kit is well moulded in silver plastic with neatly engraved details and panel lines. The only real disappointment with the presentation of this kit is that the clear parts are not bagged separately and are therefore prone to scratching. Apart from the box and the decal sheet this kit is exactly the same as the Italeri version reviewed in Vol. 5 Iss. 6.

Instructions

The loose leaf instruction leaflet gives a black and white photograph of the completed model, a brief bi-lingual type history, parts map, nineteen diagrammatic construction stages and painting details for the two decal options offered. Colour references are given for Revell's own paints that have to be cross-referenced with the alphabetical colour key code that was strangely incomplete in my instruction booklet. Whilst I fully understand that Revell would like us to buy their own paints, I feel that real colour references complete with FS numbers should also be included.

Construction

Before construction can start, a very small amount of flash needs to be trimmed off some of the parts. The cockpit area is quite adequately detailed but can be improved upon by the builder by referring to the vast amount of reference material available for this aircraft

and of course the invaluable Vol. 4 Iss. 8 with that super detail build by Frank T. Cuden. Once the cockpit area was complete, I joined the fuselage halves, adding the necessary nose weight. As with the Italeri version, the panel part No. 24 is a poor fit but learning from my experience with this kit, I added some plastic card strip to the edges of the fuselage recess which helped me to achieve a nice flush fit between the panel and the bottom of the fuselage which greatly reduced the amount of filling and sanding I had to do. The wing to fuselage joint is really quite good and careful trimming and test fitting ensured that very little filler was necessary in this area. This takes care of the bulk of the construction. Choose the correct refuelling probe for your chosen option and leave off or fit the arrestor hook as necessary. You will have to fill the locating holes for this if you do not fit it; a point missed in the instructions. Once again these small parts have an annoying mould line along them that was tricky and time-consuming to remove.

The underwing stores provided are the same as those supplied by Italeri, those curious square section bombs make another appearance but as the box art shows the USAF machine with only the long range tanks fitted, I chose not to fit the bombs and napalm tanks provided. A clear diagram is provided in the instructions at assembly stage thirteen that shows the correct position of the main undercarriage doors to achieve the characteristic x-shape required. Construction complete, I used Halfords Nissan Silver spray paint for the overall natural metal finish required, picking out some of the panels in Humbrol Metalcote colours. I also used this to reproduce the burnt metal effect on the rear fuselage. Although the Halfords paint gave a smooth glossy surface, I brushed on a coat of Johnson's Clear to give the best possible finish for the decals.

Accuracy

The finished model faithfully captures the look of this classic jet aircraft. Cross-referencing from several sources suggests that this model is slightly under-size but I find measuring these small models accurately is

very difficult. It looks exactly like a Super Sabre to me.

Colour Options

Two colour options are provided, both natural metal overall: a rather plain French Air Force example and a specially marked USAF Tactical Air Command machine for the TAC Gunnery Meet at Turner AFB in 1959. This one really caught my eye with its blue fin and blue, yellow, red and green stripes and red fuselage flash.

Decals

The decals are very matt but with accurate register and good colour density. The option I chose tested the decals to the limit, with the long red fuselage flashes and the stripes that had to be curved around the tight contours of the nose and fuel tanks, and having had trouble in the past with Revell's decals I was very surprised that all went very well. With copious amounts of Microscale solutions, care and patience I had no trouble at all. They bedded down well with no trace of carrier film and no silvering. The only adverse comment I could make is that they could do with a bit more adhesive as they have a tendency not to stick very well at first; well done Revell.

Decal Rating = 9/10.

Conclusion & Recommendation

At about £9 this kit is excellent value for money and gives a great result straight from the box or, for the super detailers out there, with the etched brass and resin detail sets that I am sure will soon be out on the market, will form the basis of an excellent model. This kit deserves to sell very well, so buy one, two or even three and start a collection. Highly recommended.

I look forward to a Revell release of a twin seat F-100 and please Mr Revell, how about a F-100D in 1/48th scale and being greedy, 1/32nd scale. I am sure these would be big sellers.

My thanks to Revell® Binney & Smith (Europe) Ltd for the review sample.

Michael Cook



AVAILABLE IN GOOD MODEL SHOPS

squadron/signal publications

Walk Around F-86 Sabre



Walk Around Number 21

squadron/signal publications

NEW AND REISSUED BOOKS

5521	Walk Around F-86 Sabre	1/72	Jan	£12.99
1171	DH.2 in Action	1/72	Dec	£8.99
1119	OS2U Kingfisher in Action	Reissue	Jan	£8.99
6283	P-38 Aircraft in Detail (incl P-63)	1/48	Jan	£10.95
1034	B-25 Mitchell in Action	Reissue	Feb	£8.99
1172	Flak CR32/CR42 in Action	1/72	Mar	£8.99
6284	B-24 Liberator in Detail	1/48	Mar	£10.95

FREE send a large size for SPRING 2000 Catalogue

'TOKO' KITS



UTK118	Sopwith 14 Strutter 3-Seat Fighter 1917	1/72	£4.99
UTK116	Hansa Brandenburg W.29 1917	1/72	£6.49
UTK116	Siemens Schuckert D.IV/D.V	1/72	£4.99
UTK117	Hansa Brandenburg D.I 1917	1/72	£4.75
UTK120	Aviatik (Berg) D.I 1918	1/72	£4.99
UTK124	Nieuport 166 RAF 1918	1/72	£3.99
UTK128	Sopwith 7F.1 Snipe RAF 1918	1/72	£3.99
UTK137	Sopwith TF.2 Salamander RAF 1918	1/72	£4.75
UTK138	Sopwith 14 Strutter 2-seat Trainer 1918	1/72	£4.99
UTK139	Sopwith 14 Strutter Bomber 1917	1/72	£4.99
UTK140	Sopwith 14 Strutter Interceptor 1917	1/72	£4.99
UTK100	Sea Venom FAW Mk.21/53 1955	1/72	£3.99
UTK101	8-2MS Stormovik 1944 (great decals)	1/72	£4.99
UTK102	An-74 Courier STOL Transport	1/72	£12.95
UTK112	P-63A Kingcobra USSR	1/72	£4.99
UTK114	RP-63G Kingcobra Pinball 1944	1/72	£4.99
UTK136	LaGG-3 Series 1,5,11 USSR 1942	1/72	£4.99

More 'TOKO' kits send large size for free list

'SMER' KITS



SM 940	Sopwith Triplane & Albatros 'Dogfight' 1917	1/48	£9.95
SM 604	S.E.5a RFC 1917	1/48	£3.99
SM 603	Fokker D.VII 1918	1/48	£3.99
SM 605	Fokker DR.I Triplane 1918/23	1/48	£3.99
SM 651	Nieuport Ni-D 622 Delage 1931/32	1/72	£5.95
SM 645	Amiot 143 1937/38	1/72	£5.95
SM 650	A.N.F. Nieuport 117 1938	1/72	£5.95



SM 661	Me BL108G14 1945	1/72	£3.99
SM 640	Bloch MB152 1940	1/72	£3.99
SM 622	L-4 Cub Normandy 1944	1/48	£3.99
SM 660	Me BL108G6 1944	1/72	£3.99
SM 615	Walrus Mk.2 RNRAF 1944	1/48	£5.99
SM 666	SC-1 Seahawk 1945/47	1/72	£4.99
SM 627	MG-17P/PFL/Um 6M 1958/71	1/48	£6.95
SM 668	F-100 Falcon Pakistan AF 1983	1/72	£4.99

Many many more - send SAE for free list

'HOBBYCRAFT' KITS



HC1250	B-47B 1st SAC Jet Striker	1/144	£11.95
HC1251	B-47E USAF Stratojet	1/144	£11.95
HC1650	CP105 Arrow 1958	1/48	£15.75
HC1443	F4U Corsair US Navy Bearcat	1/48	£9.99
HC1515	Ju.87G Stuka 1943/45	1/48	£7.49
HC1451	P-40C AVG Tiger Shark	1/48	£9.99
HC1380	Sabre Mk.4	1/72	£7.49
HC1384	Yak-38 Forger A VTOL	1/72	£7.49



HC1529	F-86H Scorpion Interceptor	1/72	£8.99
HC1586	British Nieuport Nie 17C	1/32	£9.99
HC1672	Arado Ar.234C	1/48	£12.75
HC1343	C-7 Caribou Vietnam 1964/73	1/72	£17.95
HC1542	HA-1112M1L Buchon Spain 1957/85	1/48	£8.99
HC1533	Hurricane Mk.III Desert Rat 1942	1/48	£8.99
HC1536	Polikarpov I-16 Type 5/6	1/48	£8.75
HC2203	Sikorsky Seahawk	1/72	£4.99

More than 80 'Hobbycraft' kits available

Send £2 stamp for Y2K catalogue

For free lists state interest and send large size to
POCKETBOND LTD (Dept SAM/A/03/00)
PO BOX 80, WELWYN, AL6 0ND
 Trade enquiries only on tel: 01707 391509 Fax 01707 327466

Focke Wulf Ta 152H-1

Technical Data

Manufacturer: Italeri
Scale: 1/48th
Price: £11.99
Origin: Trimaster/Dragon
Panel Lines: Recessed ✓
Status: Reissue ✓
Type: Injection Moulded Plastic
Parts: Plastic 85, Clear 5
Decal Options: 2
Manufacturer: Italeri Spa, Via Pradazzo 6, Calderara (BO), Italy
UK Importer: Richard Kohnstam Ltd.



The Kit

About 15 years ago a small company called Trimaster released a range of exceptionally detailed German types. I would have loved to have owned some of them but at £30.00 - £40.00 a go, this was only wishful thinking for a penniless student. Now I am still penniless but Italeri have brought out the ultimate Fw 190 development at a far more reasonable price. The kit features detail that Tamiya or Hasegawa would be proud of, moulded in grey plastic. The kit has been modified so we have lost the detailed engine and etched brass which featured in the Trimaster kit though some parts for the engine are still on the sprue and most of the parts that were brass are now in plastic.

Construction

The cockpit is gorgeous, featuring rudder pedals, instrument panel and even the throttle is a separate part, no need for replacement resin here. This whole assembly fits into the fuselage halves, to which is also added the remains of the engine firewall. This helps to provide some rigidity to the fuselage join. The front of the engine cowling and the large air intake are now added. The air intake features a nicely detailed grille, however, there is no sign of the radiator in the engine cowling. This is the only thing that I would change in the whole kit and I am sure Eduard will feature this in their brass update set. Now to the wings; these are large and will benefit after gluing from clamping with pegs, and leaving overnight to set, as it is very easy to crack a seam if the glue is not fully cured. The wheel wells are very accurate, correctly representing the missing inner panel of a Fw 190D/Ta 152. However, the four ribs will need to be trimmed to ensure a good fit. Cannon barrels are supplied to fit through the wing and I drilled mine out with a small twist drill. The undercarriage is also nicely detailed and benefits from a black wash to lift out the details. The clear parts provide the canopy and also the wing tip navigation lights. I left these to last as I was sure I would paint over them. There are some details to be glued into the canopy so use PVA or Humbrol Clearfix or risk damaging the details. After final painting with AeroMaster acrylics, I added the aerials, pitot tube and navigation lights. One unusual feature of late model Fw#190s was that when the canopy is open the aerial wire goes slack, so I used elastic thread to represent this.

Accuracy

Spot on. I could find no dimensional inaccuracies compared to the figures in Eric Brown's Warplanes of the Luftwaffe, with a length of 35ft 11/2in and a wingspan of 47ft 4in.

Markings

Unfortunately or fortunately, depending on your point of view, the Ta 152 was made in too small a quantity to feature a large variety of colour schemes. Both options in the kit are from the only operational unit, JG 301, with yellow and red Reich Defence bands. Both options are painted in RLM 81/82 over RLM 76. The first option is 'Green 1' and the other 'Yellow 1' which has a yellow bar.

Decals

These are well printed with good depth of colour and registration. They reacted well to Aero Sol and Set. However, the Reich Defence

band did not join together at either top or bottom so I used it as a guide and over-painted with AeroMaster red and yellow.

Decal Rating = 7/10.

Conclusion

I was really looking forward to the chance of building this kit and I was not disappointed. Good fit and clear instructions made it a pleasant diversion from a long term project. I would recommend it to all and with that large wingspan, it dwarfs Tamiya's Fw 190D-9 in my display case. I hope that Italeri can get their hands on the moulds for the He 162 and Me 163B-1a (No, but Revell® have! - Ed), as then my youthful dreams might come true.

My thanks to Richard Kohnstam Ltd for the review sample.

David Francis



Transall C-160

Technical Data

Manufacturer: Revell®
Scale: 1/100th **Price:** £8.95
Panel Lines: Recessed ✓
Status: New Decals ✓
Type: Injection Moulded Plastic
Parts: Plastic 67, Clear 11
Decal Options: 2
UK Distributor: Revell® Binney & Smith (Europe) Ltd



The Kit

Moulded in dark green plastic all the parts are very thick and heavy. The panel lines are all raised and the surface has raised decal areas (which incidentally do not match the kit decals) for roundels and serial markings. I do not know where the origins of this kit lie but it has obviously not been updated. There was some flash on the parts but nothing too difficult to remove.

Instructions

These come in the usual booklet format. The build section has quite large drawings and is

easy to follow but as usual the painting section is too small and hard to decipher.

Construction

All the clear plastic parts glue in from the inside, including the cockpit area which is split vertically at the fuselage join. The cockpit glass does not fit at any point around the opening and repeatedly fell back into the fuselage when it was joined. The frame lines are raised and are in the wrong position so finally I superglued them in place as best I could and then filled the whole area with Milliput and shaped the opening to match photos; I could see no other way of fixing this. The rest of the construction was straightforward but the fit of many parts like the wheels/undercarriage was not very tight, and required lots of quick setting superglue gel to make them stay where they were put.

Accuracy

Well it looks like a Transall and actually measures out quite well. Kit span 15.8 inches, real 131 ft 3 in (1575 inches). Kit length 12.7 inches, real 106 ft 3.5 in (1275.5 inches). All figures came from the Military Aircraft of the World by Chris Hamlin. The whole mould could really do with updating though, as it looks too toy-like.

Colour Options

Both schemes are for German Air Force machines with three-colour wrap around camouflage. The painting instructions call for mixing, but I just used AeroMaster Acrylics in the appropriate shades.

Decals

Two options are given, one very colourful machine from Lufttransportgeschwader 61, which depicts the 40th Anniversary scheme shown on the box. This is an alpine panorama designed and painted by a former squadron member. The other decals are for a machine from LTG63 which is the only other squadron still flying the Transall in Germany. Be aware though that the wrap-around camo is different for each of these.

The decals are a little thick but due to the

fact that I sanded the raised panel lines down I had little problem with them. The alpine landscape is not as accurate as it should be, but the main problem is that the blue sky doesn't shade into the mountains on the tail.

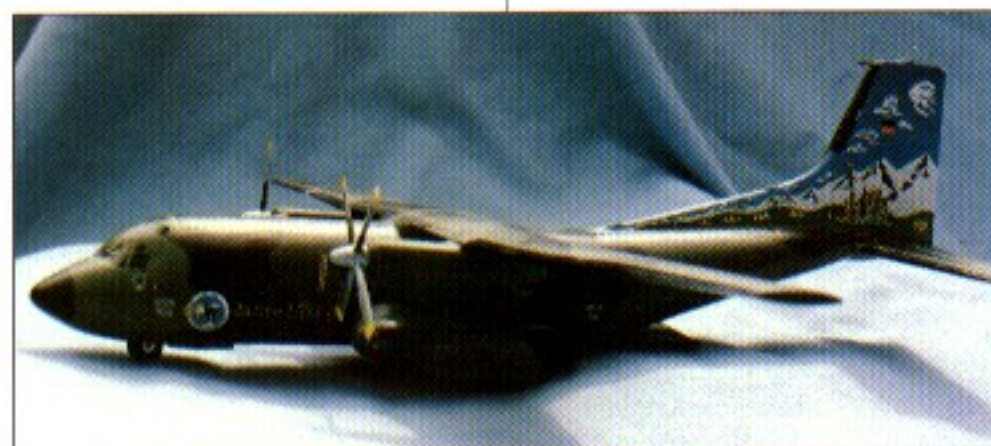
Decal Rating = 7/10.

Conclusion and Recommendation

Well it's the only one available and I think with a little work a nice kit can be made, but it is about 20 years out of date and needs modernising. You could do better Revell.

Thanks to Revell®, Binney & Smith (Europe) Ltd for the review sample.

Paul Gold



Tachikawa Ki-9 Spruce

Technical Data

Manufacturer: Choroszy Modelbud

Scale: 1/72nd

Price: £TBA

Panel Lines: Recessed ✓

Status: New Tooling ✓

Type: Resin

Parts: Resin 44

Also Included: Clear Plastic Sheet

Decal Options: 1

Manufacturer: Choroszy Modelbud

Obtain in UK via: Aeroclub



The Kit

When I received this kit to review I have to admit it brought two sets of emotions to me! The first was horror! The second was unreserved joy! Horror, well I never thought this aircraft was ever coming out in my scale, so, I started to scratch build one! Joy, because I did not have to finish scratch building it. It also means I can add more than one to my collection.

There have been other 1/72nd scale kits of the Ki-9 before, these are however near impossible to find (I have been looking for about two years). Finally, although it's resin so it will have a limited run, we have a very good model of this important aircraft.

The castings are to the normal high quality and packaged in sealed bags to stop loss. There is a small decal sheet and a double sided instruction sheet included in the package.

Construction

First job as with all resin kits is to wash all the components in luke warm soapy water. When dry all the components are cleaned up and identified, this is the stage I dislike the most but it is important! With all the preparation done, work started on the interior of the kit. Choroszy are very good at supplying quality interiors, but they don't provide interior colour details! I was lucky that I had enough reference material to be able to piece the interior colours together. For those not so fortunate here is what I managed to find out. Overall interior: Off white/linen colour. Metal tube formers and longerons: Aotake or gloss black. Main support frame and seats: aluminium. Instrument panels: Matt dark grey or black. Other smaller details can be picked out to suit.

My interior painted and assembled the two halves of the fuselage were joined. At this stage I was really beginning to like this model. Next in line was to attach the lower wings, fin

and tail surfaces. My attention then turned to the undercarriage. This assembly is extremely delicate! Wheel spats are included in the kit but can be left off, as indeed they were on most occasions on the real aircraft. There is one omission that needs to be pointed out however regarding this assembly, there is a small 'V' shaped supporting strut that has been omitted from the model. This support fits from the rear of the bullet shaped fairing on the cross member to the fuselage, but this part is not even shown on the instruction sheet.

With most of the major fuselage work completed the engine assembly was tackled. This is very straightforward, clean up and attach to the front end! The two-part cowl ring will need to be added after the engine is painted. All the smaller parts and the struts can now be added before the entire model is primed ready for painting.

Accuracy

This is a stunning little kit that looks every centimetre a Ki-9, dimensionally it's very good too.

Colour Options

The end of the construction part of this review may have seemed a little strange - well to be exact the construction is not really finished off until the model has been painted. So what options are there? Colour options within this kit are limited to overall red/orange with blue black cowl and hull red details around the front end. The colours I used were Humbrol 132 Red/Orange with 25% yellow added, AeroMaster 1087 (Blue Black) and Tamiya XF9 (Hull Red).

If you fancy something a little different there are other schemes around but it's quite difficult to find good photographs.

Construction part 2

With all the main assemblies resplendent in their red/orange colour

scheme, the engine was painted using a mix of aluminium and black before adding the cowl. It was here I made an error that I would like to warn you about, don't glue the two cowl halves together! They won't fit over the engine! Paint the inside first then assemble them over the engine.

Construction is now almost complete, and all that needs to be done is to add the windshields and upper wing. It is best to leave the windshields off until after the decals have been added.

Decals

These are to a high standard and include six Hinomaru and two sets of flying school markings. Unfortunately, although good, some important markings have been left off if you wish to build the aircraft depicted. There is no chevron for the upper wing and the fin number is missing. I did not add this to my model as I did not have the correct style.

The markings supplied are for an aircraft from Kumagaya Flying School.

Decal Rating = 8/10
(but only because important items were missing)

Conclusion and Recommendation

An excellent little model that has saved me a lot of time scratch building. The attention to detail is commendable but the omission of some parts is aggravating. I will be getting more; there is a particular aircraft that was prepared for Kamikaze missions with an oil drum in the rear cockpit opening - now that would be interesting!

I would recommend this model to anyone even if you have no experience with resin kits, it's an important aircraft and, what's more, easy to build.

Highly recommended.

My thanks to Choroszy Modelbud for the review sample.

Peter Fearis



NEW ARRIVALS

From the worlds leading modeling company
Available from all good model shops



£9.99

F-117A Nighthawk - 1:72 (HAE01)



£13.99

E-767 AWACS J.A.S.D.F. - 1:200 (HMX7)



£17.99

F-86F-40 Sabre 'Blue Impulse' 1:48 (HAPT15)



£17.99

Me262V-10 w/Flying Bomb 1:72 (HA0049)



£25.00

A-4E/F Skyhawk 'Top Gun' 1:32 (HST08114)

Available from all good model shops

Hasegawa is distributed in the UK by:

Amerang

Commerce Way, Lancing Business Park, Lancing
West Sussex, BN15 8TA
Tel No: 01903 765496, Fax: 01903 753643

Fokker Dr.I

Technical Data

Manufacturer: Hawkeye Designs
Scale: 1/72nd **Status:** New Tooling ✓
Panel Lines: Engraved ✓
Price: \$21.95
Type: Resin & Etched Brass
Parts: Resin 26, Etched 30
Decal Options: N/A
Manufacturer: Hawkeye Designs



The Kit

The resin parts carefully packed in two plastic bags have little flash and are very well moulded. Little cleaning up is required and only the soapy bath is required prior to construction. The surface detail is crisp and well defined and the engine well detailed. The cockpit is built in etched brass on a sheet made by Fotocut, the parts of which are supplied on a plastic backing that is removed with a drop of acetone. This is a lot easier than trying to cut these often minute parts from a brass former and I hope a lot of other kit manufacturers elect to adopt this method of presenting etched-brass components in the future.

The Instructions

Two A4 sheets of yellow paper include a history and reasoning behind the kit, full construction notes and diagrams that include many helpful hints, a guide with suggestions of how to obtain the best and most realistic 'factory' finish for your triplane and a parts pictorial. They are written in the friendliest of terms and the tips on painting are worthy of an article in this magazine on their own. It is also the first time I've ever read 'God love ya if you can...' in a set of kit instructions. This is with reference to the rigging of the control column and rudder bar in the

cockpit! As you can guess, this model comes from the Good Old US of A - where else?

Construction

Start with the cockpit assembly which is almost entirely constructed of etched brass, with the exception of the resin seat. A steady hand, a pin to apply the superglue and possibly a magnifying glass are a must to get the two 'dials' on their mounts and the throttle lever and handle in place. An excellent representation of the unusual control column is supplied but needs to be folded into shape. If this is too fiddley then a 2D version is also included. As already mentioned there are also notes on rigging the control wires in the cockpit if you feel up to this. I managed it but the results of my endeavours are hardly visible once the model is finished. The finished cockpit assembly is 18mm long and 9mm wide and it is a shame to bury it in the fuselage. The rest of the model's construction, being resin, is a case of using superglue to butt joint the parts together. The fuselage is a single moulded piece with just the top capping to be applied once the cockpit is dropped in. The fit is good and very little sanding or filler is required as long as care is exercised. A very nice touch is the fabric seam detail that runs the length of the fuselage underside. This is supplied in etched-brass and once in place and painted looks much better than a 'moulded' representation would.

There are separate tailplane and elevator pieces which allow the latter to be 'drooped' to inject some character. The two lower wings and undercarriage were glued in place and then set aside to dry, ready for painting. The separate ailerons were applied to the upper wing and the etched brass inner struts but I left the top wing off until all the painting was complete. The resin rotary engine is supplemented with fuel feed lines and piston heads in a single piece of etched brass that has to be folded to fit. I found this a bit tricky to line up, but only four of the piston heads are visible once the cowling is fitted so I

concentrated on those four alone. The machine guns are a work of art, if you can get the minute pieces together and a nightmare if you can't. The stocks are moulded in one single piece of resin onto which the grilled barrel covers fit. These are 5mm squares of etched brass that need to be rolled into cylinders with a diameter of approximately 1mm, then on to the ends of these go the end caps of the same diameter! Very tricky! After painting the top wing, wheels, engine and cowling were fitted along with the tailskid, propeller and the lower wingtip skids after the latter had been painted with Dulux pine brushwood. Finally the cross-wire rigging on the undercarriage and inner struts was completed with invisible mending thread and the control wires on the tailplane with stretched sprue.

Accuracy

The finished model looks dead right when compared with photos of the real machine and the replica I saw in the museum at Sandown I.O.W. Dimensionally it is spot on, measuring 80mm in length and 100mm in span. This equates to 5.76m and 7.2m respectively. Perfect!

Colour Options

No complete finishes are given but a very good guide written by Steve will allow a good representation of the factory finish of

Turquoise undersides and khaki-green streaked upper-surfaces to be achieved, at any stage of weathering. This will provide the perfect base to apply the personal markings of the pilot or jasta of your choice for your model. A full list of after sales decal sheets is provided in the instructions to help you with your choice of finish, which makes a good excuse for another visit to your model shop.

Decals

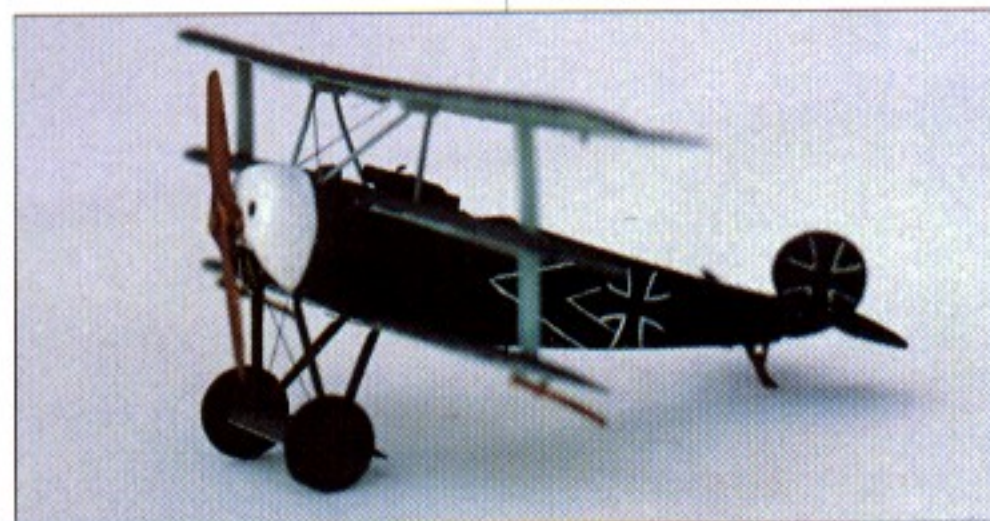
There are no decals supplied with the kit in an attempt to reduce costs, but as mentioned a list of available items is supplied.

Conclusion & Recommendation

A thoroughly enjoyable kit from start to finish and certainly a challenge at times. The instructions are comprehensive, helpful and witty and the model is well designed and on the whole, easy to build. It is the tricky bits, though, that help to make the finished article a class apart and as a result, you'll have a Fokker Triplane that will be hard to better. I thought the etch brass parts (by Fotocut) on plastic backing is a great idea. I recommend this one highly, but not really to the less experienced or young. For me this one was fun, the way modelling should be!

My thanks to Hawkeye Designs for the review samples.

Dan Claxton



Saab 18 (T-18B, B-18A, S-18A)

Technical Data

Manufacturer: Broplan
Scale: 1/72nd
Status: Updated Tooling ✓
Panel Lines: Engraved ✓
Fabric Effect: N/A
Price: £TBA
Type: Vac-form and Injection Moulded Plastic
Parts: (See text)
Decal Options: N/A
Manufacturer: Broplan, Ul. Pilotów 10G/33, 80-460 Gdansk, Poland.

The Kit

With the Second World War raging all around them, the neutral Swedes had to look to home built aircraft for their re-armament program. A trend that has continued to this day. This twin-engine machine from the Saab company fulfilled a number of roles as a day bomber, dive bomber, reconnaissance, maritime surveillance and training aircraft during its long service with the Svenska Flygvapnet

between June 1944 and 1956. The aircraft was fitted with two types of power-plant, firstly the radial Pratt and Whitney Twin Wasp radials as in the model 18A and later, as in the model 18B, with the Daimler-Benz 605B in-line engines. Broplan have introduced three models of this aircraft into their range that allow all the variants to be built. Two of these, the T-18B trainer with in-line engines and the B-18A, radial engined bomber are reviewed here. The two kits are basically the same with the exception of the lower body shape and the engine nacelles and fittings.

The major parts of each kit are presented on three vacformed sheets that suffer from this company's usual trait of the formed plastic being too thin. The result is that the fuselage halves and the engine nacelles are as thin as paper and great care is needed to cut them out and prepare them without damage. The surface detail is engraved but the panel lines are uneven in depth and diameter and re-scribing them is a problem due to the lack

of thickness in the body parts. Propellers, wheels, legs and so on are supplied on an injection moulded sprue of very hard plastic. This was transparent until some emerald green colouring was unevenly added during the mixing process! They look awful, but the moulding is not too bad and all the parts are quite usable. The transparencies are vac-formed and are very thin and not too clear. Two canopies are given in each kit but these differ to allow the various variants to be built.

The Instructions

A single sheet of A4 as is the norm, with exploded construction diagrams and a parts finder on one side and painting chart and scaled drawings of the machine on the other. Humbrol colours are given for finishing.

Construction

Begin by cutting out the major parts and clearing them up in the time-honoured fashion with vac-form kits. I usually leave the smaller components on the formed sheet until they are required. When it's time to cut

out the glazing apertures in the fuselage, leave 2mm of excess plastic around the nose to help fix the transparent glazing in place later on.

Starting with the cockpit, I suggest you cut the floor out a little oversized as the moulding is a bit too narrow for the fuselage. Dry fitting prior to gluing is always advisable with vac-forms and this is the case here to get a good fit. The remainder of the cockpit is reasonably well supplied with bucket seats, instrument panels etc. and a control yoke from the moulded sprue. I only added seat belts made from masking tape to enhance the interior as the canopy is not very clear and the effort would be wasted. I painted the whole interior medium grey for the same reason. Fix the completed cockpit to the port side fuselage, as this is the side for the offset canopy. The fuselage spine is very flimsy because the plastic is so thin and could do with some home-made formers placed in it at this point to strengthen the rear body. The tailwheel will need to be boxed in as well, prior to the fuselage halves going together. The last interior insert is a corrugated main spar, used to attach the main wings to the

The Aviation Hobby Shop

Dept SAMI 00/03. 4 Horton Parade, Horton Road,
West Drayton, Middlesex UB7 8EA
Tel: (01895) 442123 Fax: (01895) 421412

ALL MAIL ORDER WITHIN THE UK SENT POST FREE
TELEPHONE ORDERS WELCOME, QUOTING VISA / ACCESS / AMEX /
DINERS CARD No. AND EXPIRY DATE.

Can't get into the shop? Give us a call on our 24 hour answering machine for a copy
of our FREE catalogue. Orders are usually despatched within a few days if in stock.
However, due to postal delays, please allow 28 days before enquiring about
outstanding items

NEW AND RECENT ITEMS

ALCLAD II LACQUER

4 Different shades varying in finish from normal
Aluminium to Mirror Finish Aluminium. Also
available in Gold and Bronze Finish. This is
only for use with Airbrushes.

£3.50 each bottle

DETAIL & SCALE PUBLICATIONS

P-39 Airacobra £10.95

SQUADRON SIGNAL PUBLICATIONS

de Havilland DH2 in Action £6.99

F-86 Walk Around £12.99

ADH PUBLICATIONS

How to build Tamiya's Fairey Swordfish £9.95

MONOGRAM PROMODELLER 1/48 scale

Focke Wulf TA-154 A-O Moskito £24.95

Messerschmitt ME-110G-4 £14.95

REVELL 1/48 scale

B-25J Mitchell £14.95

F-105D Thunderchief £9.95

ACADEMY 1/72 scale

B-377 Stratocruiser PAA £28.99

REVELL 1/144 scale

Boeing 737-800 Hapag Lloyd £9.95

Airbus 321 Lufthansa £9.95

MINICRAFT 1/144 scale

USAF C-32A(B-757) £9.99

C-118 The Independence £8.99

REVELL 1/72 scale

P-47M Thunderbolt £2.95

Boeing Vertol H-21 Heer £8.95

TAMIYA 1/48 scale

Bristol Beaufighter TF.Mk.X £18.99

PEGASUS 1/72 scale

Airco DH-2 £11.99

WELSH MODELS VACUFORMS 1/144 scale

Douglas DC-7C BOAC Blue tail £17.99

Bristol Britannia 312 BOAC Blue Tail £14.99

Canadair DC-4M2 Argonaut BOAC Blue Tail £13.99

Boeing 720-027 Braniff £22.00

Super VC-10 BOAC £22.99

C-133 Cargomaster USAF £30.00

WELSH MODELS SKYLINE DECALS 1/144 scale

No.7 BOAC Blue Tail DC-7C and Canadair C-4 £6.25

No.8 BOAC Blue Tail Britannia 102/312 £6.25

No.9 BOAC Blue Tail Super VC-10/Standard £6.25

VC-10 £6.25

SKYLINE 1/144th scale

Boeing 737-300 (also contains parts for the £10.99

400/500 versions and also Sabena Decals)

..... £10.99

SKYLINE 1/144th scale Decals

144-52 A-330/340 Sabena 2000 Scheme £5.95

144-53 Boeing 737 Sabena 2000 Scheme £4.95

144-54 Bae 146/RJ85/100 Sabena 2000 £4.95

Scheme £4.95

144-55 Boeing 757 Air Holland £5.95

HIKOKI PUBLICATIONS

Shadows - Airflit and Airwar in Biafra and £29.95

Nigeria 1967-1970

HARPER COLLINS PUBLICATIONS

Airfix Celebrating 50 Years of The Greatest £19.99

Plastic kits in The World

ISRA DECALS PUBLICATIONS

Israel Aircraft Industries Kfir £11.95

A SELECTION FROM OUR STOCK

AIRFIX 1/72 scale DISCONTINUED ITEMS

Spitfire MK.2A BOB Memorial Flight £3.99

BOB Memorial set contains Lanc, Spitfire and £19.95

Hurricane £19.95

Fairey Rotodyne £7.99

Bristol Superfreighter £9.99

B-26 Marauder £7.99

Ford Trimotor £7.99

Defiant £3.49

SA Bulldog £3.49

CAC Bomberang £3.99

Luftwaffe Personnel £3.49

BOB 50th Anniversary Lancaster £17.99

MATCHBOX 1/72 DISCONTINUED ITEMS

Vickers Wellesley Mk.I £4.95

A-20G Boston £4.95

Fairey Seafox £2.95

Lightning F2A/F6 £4.95

TF-104G Starfighter £2.95

Macchi MC-202 Folgore £2.95

Phantom FG.1/FG.2 £8.95

OH-58A Kiowa £2.95

Gloster Gladiator £2.95

SA.365N Dauphin £2.95

F-86 Sabre £2.95

Westland Wessex HU.5/HAS.31 £4.95

UC-64A Norseman £4.95

Junkers JU-188 £4.95

Bristol Beaufighter £4.95

REVELL 1/48 scale DISCONTINUED ITEMS

Curtiss SB2C4 Helldiver £22.95

P-47N Thunderbolt £11.95

A-26 Invader £19.95

REVELL 1/72 scale DISCONTINUED ITEMS

Fairey Fulmar £5.95

Arado AR-234C-3 w/E-381 Julia £8.95

Arado Ar-240C-02 Nightfighter £8.95

REVELL 1/144 scale DISCONTINUED ITEMS

Boeing 747-400 KLM £15.95

Boeing 767 KLM £10.95

REVELL 1/32 scale DISCONTINUED ITEMS

Westland Lysander £14.95

MONGRAM 1/48 scale US IMPORTS

Boeing B-17G Flying Fortress £22.95

HELLER 1/72nd scale

Lockheed L-749 Constellation MATS £14.99

Douglas DC-6B (SAS/UTA) £19.99

DH.89 Dragon Rapide £6.99

Lockheed L-749 Constellation (Pan American) £14.99

ACADEMY 1/72 scale

Spad XIII £1.65

Sopwith Camel £1.65

Grumman F4F Wildcat £2.75

Grumman TBF-1 Avenger £4.25

Curtiss P-40B £2.75

F4U-1 Corsair £4.99

Focke Wulf FW-190D-9 £4.99

Fiesler Fi-156 Storch £4.99

T-6G Texan £4.99

Cessna A-37 Dragonfly £4.99

Hawker Typhoon IB £4.99

OV-10 Bronco £4.99

P-51B Mustang £4.99

P-40 Warhawk MN £4.99

Hawker Tempest V £4.99

Messerschmitt ME-109G £4.99

Focke Wulf Fw 190A £4.75

Hurricane Mk.II £4.99

Spitfire Mk.XIV £4.99

P-51D Mustang £4.75

Me 109E "Emil" £4.75

P-47D Thunderbolt Bubbletop £4.99

P-47D Thunderbolt Razorback £4.99

Zero Fighter £4.99

P-39Q Airacobra £4.99

AIRFIX 1/24 scale

Supermarine Spitfire Mk.1A £29.99

Messerschmitt Bf 109E £29.99

P-51D Mustang £34.99

Hawker Hurricane £34.99

Focke Wulf FW-190A £39.99

Junkers JU-87 Stuka £49.99

HASEGAWA 1/48 scale

Hawker Typhoon Mk.1B £14.99

Hawker Typhoon Mk.1B Teardrop £14.99

Messerschmitt Bf-109K4 £14.99

Messerschmitt Bf-109G-10 £14.99

Hawker Hurricane Mk.IIB £14.99

Messerschmitt Bf-109E "Bulgarian Air Force" £14.00

P-47D Thunderbolt "Special Markings" £19.00

Messerschmitt Bf-109E-3 "Legion Condor" £15.00

Messerschmitt Bf-109G-6 Nightfighter £16.00

MAGNA MODELS 1/72 scale

6472 Fairey Albacore dk £23.95

6372 Martin Baker MB.5 dk £18.25

6172 Hornet F.1 dk £22.95

6072 Sea Hornet NF.21 dok £23.95

5972 Sea Hornet F.3,4,20 dok £23.95

5872 DH Riley Dove k £21.95

5772 Martin Baker MB.2 £17.75

5672 Martin Baker MB.3*d £17.75

5572 Supermarine Seafang/Spitfire *d £17.75

5472 Percival Prince Mk.1*d £23.95

5372 Percival Pembroke *d £24.75

5272 Percival Sea Prince *d £24.25

5172 Supermarine Swift F.2 * £18.95

5072 deHavilland Dove/Devon*d £23.95

4972 Bristol Buckmaster TMK.1 £25.95

4872 Supermarine Swift F.1 *d £18.95

4772 Bristol Buckingham B1/C1* £26.95

4672 Miles Master MK1/1A* £17.25

4572 Supermarine Swift F.7 £19.95

4472 Bristol Brigand B1/T4.5*d £26.95

4372 Supermarine Swift FR.5 d £19.95

4272 HP Marathon T.IV/1 * £29.95

4172 Short Sturgeon SB.3 £23.95

3972 Short Sturgeon PR.1 £21.95

3872 Supermarine Scimitar F.1 * £23.95

3672 Vickers Viking 1B d £34.75

3572 Miles Monitor TT.II £23.95

3472 Short Sturgeon TT.2/3 * £23.95

3372 Curtiss Seamew (Floats) £17.75

3272 Curtiss Seamew (wheels) £17.75

2972 Fairey Spearfish * £18.75

2772 Blackburn Firebrand III/IV £16.99

2672 Fairey Barracuda TR.MkV * £18.25

2572 Douglas Skyraider T Tug £19.95

2472 Douglas Skyraider AEW 1 £20.95

2372 Blackburn B48 Firecrest £17.75

2272 Fairey Gannet AEW.3 £22.95

2172 D.H. Sea Vixen FAW.2 £24.95

2072 Blackburn Firebrand Mk.1 £16.99

1972 D.H. Sea Vixen FAW.1 £24.95

1872 Blackburn Firebrand TF.II £16.99

1772 Miles Master Mk.II £16.99

1472 Stinson Reliant (AT-19) £15.99

1372 Blackburn B54/YA7 £17.75

1172 Miles M.20 Mk.I/Mk.II £14.99

1072 Miles Martinet TT.1 * £16.99

0972 Supermarine Attacker VII * £16.99

0672 Blackburn B88/YB1 £16.99

0572 Short Seamew AS.1/MR.2 * £16.99

0472 Blackburn Firebrand TF.5 £16.99

0372 Mosquito TT.39 c £7.75

0272 Fairey Firefly T.7 £17.75

0172 Gannet AEW.3 c £10.95

C = Conversion, K = complete kit, D = Decals,

O = Optional parts

MAGNA MODELS 1/48 scale

0148 Miles Martinet TT.1 dok £27.00

CONVERSIONS 1/72 scale

4072 Bristol Freighter Mk.21 (Airfix kit) £13.75

3772 Bristol Freighter Mk.31 (Airfix kit) £11.95

2872 Hurricane 1 Fabric wing, watts prop £7.75

(Airfix Kit) £7.75

1672 Beaufighter MK.II(Airfix kit) £12.25

1572 Postwar RN Avengers AS- £7.75

4,5,6,TS5,ECM6 £7.75

1272 Westland Wyvern T.3 £11.95

0872 D.H. Sea Vixen FAW.1(Frog/Novo/ £9.25

Revell Kit) £9.25

0772 Blackburn Skua Accurate wings £8.75

ACCESSORIES 1/72 scale

7201 D.H. Heron/Dove seats x 17 £2.95

7203 Gannet Tanks 2 x 2 types £2.75

7205 Rushton winches, targets, x 2 £5.25



LSA Models

(incorporating FOUR PLUS UK)



All Trade and Retail inquiries to: 151 Sackville Road, Hove, East Sussex BN3 3HD
Tel/Fax UK 0044 (0) 1273 705420 • Mobile 0973 551470 • E-mail lsamodels@mcmail.com



FROM 4+ PUBLICATION PRAGUE

MIG-21 New price!	£3.00	Mig-23ML	£7.95
Su-22 New price!	£3.50	Mig-29	£8.50
MIG-24	£7.45	Su-25	£9.50

There are now two ranges of books published by 4 plus. The series featuring Russian post war aircraft will continue to expand; the next title will probably be 'MIG-19'. Under the new house name of Mark 1, the first title has now been published; Westland Wessex..... £7.50 plus P&P
The HAS.1, HAS.3, HAS.3.1, HC.2, HCC.4, HU.5 and Mk.60 Srs variants are described with 1/72nd drawings and photographs in the familiar 4 Plus manner.



Westland Lysander book NEW £7.50

FROM Wydownmictwo Militaria

He 60/He 114/Ar 95	£5.95
Wings and Wheels H-2 and H-10 in detail	New price! £8.50
NEW! TBF, TBM Avenger (Mar/Apr)	£10.00
Axis press An-2. Polish with an English summary	£7.99
Japo Czech with an English summary	
BF 109K £10.00 plus £1.00 P&P	
Fw 190F/G	£9.00 plus £1.00 P&P
NEW! Albatros D.I & D.III Coflag £10.50 plus £1.00 P&P	
VES/Black 1/72nd kits	
Pe-3 Soviet 2 engine fighter	£6.40
Pe-3 Soviet 2 engine fighter	£10.95

RVP 1/72nd conversions back in stock	
SK11 Fw 190D-11/13 conversion	£5.95
7235 Tiger conversion nightfighter etc.	£13.20
ICM 1:48th	
Yak-7A	£9.95
Yak-7V	£9.95
ICM 1:72nd	
Iya Muronets WW1 four engine bomber	£11.95
Azer 1:72nd kits with etched brass	
Armen V033	£7.95
Soko 1:72nd kits	
8-2T torpedo bomber	£3.95
Yak-9T	£4.95
1:72nd WW1 and WW2 kits	
(E) with etched brass (B) decals	
HR 7203 Albatros D.II late (E)	£14.95
HR 7208 Fokker Achgallis Pa 225	£14.95
HR 7211 Fokker E.VI (D) (E)	£14.95
HR 7221 Pfalz E. IV (D) (E)	£14.95



Resin and etched brass detailing sets

1:72nd scale

A7001	Avenger UIC	£4.45
A7002	Avenger Cockpit	£4.45
A7003	ME109 Detail Set	£11.45
A7004	Me 262 Detail Set	£4.45
A7005	F4U-7 Corsair Cockpit	£4.45
A7006	ME109 Cockpit	£4.45
A7007	TBM Avenger Detail Set	£14.25
A7008	ME109 Cockpit	£4.45
A7009	Pratt & Whitney R-2800 Engine Late	£4.45
A7010	Daimler Benz DB-603 Engine	£4.45
A7011	Spitfire MkVII Cockpit	£4.45
A7012	P-51 Cockpit	£4.45
A7013	P-51 Cockpit	£4.45
A7014	British WWII Cockpits	£4.45
A7015	Packard Merlin 1-1500	£4.45
A7016	Pratt & Whitney R-2800 Engine Early	£4.45
A7017	German 20mm MG133 Cannon (H)	£4.45
A7018	Tiger Detail	£15.75
A7019	P-51 Cockpit	£4.45
A7020	P-51 Cockpit	£4.45
A7021	P-51 Cockpit	£4.45
A7022	P-51 Cockpit	£4.45
A7023	P-51 Cockpit	£4.45
A7024	P-51 Cockpit	£4.45
A7025	P-51 Cockpit	£4.45
A7026	P-51 Cockpit	£4.45
A7027	P-51 Cockpit	£4.45
A7028	P-51 Cockpit	£4.45

A7029	HE159 Cockpit	£4.45
A7030	F4U-7 Flaps	£4.45
A7031	F4U-7 Control Surfaces	£4.45
A7032	RF-4 Phantom Cockpit (late)	£4.45
A7033	RF-4 Phantom Cockpit (late)	£4.45
A7034	P-47 Cockpit Set (early)	£4.45
A7035	Brewing MG-55 Cal Wheel Mounted	£4.45
A7036	Beaufighter cockpit (late)	£4.45
A7037	Brewing MG-55 Cal Wheel Mounted	£4.45
A7038	Beaufighter UIC Bay (late)	£4.45
A7039	ME210-A1 Cockpit (late)	£4.45
A7040	ME210-A1 Cockpit (late)	£4.45
A7041	P-38M Cockpit Set	£4.45
A7042	A-104 Thunderbolt I Cockpit (P/N)	£4.45
A7043	P-47 Control Surfaces (late)	£4.45
A7044	P-47 Control Surfaces (late)	£4.45
A7045	P-47 Control Surfaces (late)	£4.45
A7046	P-47 Control Surfaces (late)	£4.45
A7047	P-47 Control Surfaces (late)	£4.45
A7048	P-47 Control Surfaces (late)	£4.45
A7049	P-47 Control Surfaces (late)	£4.45
A7050	P-47 Control Surfaces (late)	£4.45

Full list of Aires now available, await next months advert or send SAE.

A7051	HE159 Cockpit	£4.45
A7052	F4U-7 Flaps	£4.45
A7053	F4U-7 Control Surfaces	£4.45
A7054	RF-4 Phantom Cockpit (late)	£4.45
A7055	RF-4 Phantom Cockpit (late)	£4.45
A7056	P-47 Cockpit Set (early)	£4.45
A7057	Brewing MG-55 Cal Wheel Mounted	£4.45
A7058	Beaufighter cockpit (late)	£4.45
A7059	Brewing MG-55 Cal Wheel Mounted	£4.45
A7060	Beaufighter UIC Bay (late)	£4.45
A7061	ME210-A1 Cockpit (late)	£4.45
A7062	ME210-A1 Cockpit (late)	£4.45
A7063	P-38M Cockpit Set	£4.45
A7064	A-104 Thunderbolt I Cockpit (P/N)	£4.45
A7065	P-47 Control Surfaces (late)	£4.45
A7066	P-47 Control Surfaces (late)	£4.45
A7067	P-47 Control Surfaces (late)	£4.45
A7068	P-47 Control Surfaces (late)	£4.45
A7069	P-47 Control Surfaces (late)	£4.45
A7070	P-47 Control Surfaces (late)	£4.45

A7071	HE159 Cockpit	£4.45
A7072	F4U-7 Flaps	£4.45
A7073	F4U-7 Control Surfaces	£4.45
A7074	RF-4 Phantom Cockpit (late)	£4.45
A7075	RF-4 Phantom Cockpit (late)	£4.45
A7076	P-47 Cockpit Set (early)	£4.45
A7077	Brewing MG-55 Cal Wheel Mounted	£4.45
A7078	Beaufighter cockpit (late)	£4.45
A7079	Brewing MG-55 Cal Wheel Mounted	£4.45
A7080	Beaufighter UIC Bay (late)	£4.45
A7081	ME210-A1 Cockpit (late)	£4.45
A7082	ME210-A1 Cockpit (late)	£4.45
A7083	P-38M Cockpit Set	£4.45
A7084	A-104 Thunderbolt I Cockpit (P/N)	£4.45
A7085	P-47 Control Surfaces (late)	£4.45
A7086	P-47 Control Surfaces (late)	£4.45
A7087	P-47 Control Surfaces (late)	£4.45
A7088	P-47 Control Surfaces (late)	£4.45
A7089	P-47 Control Surfaces (late)	£4.45
A7090	P-47 Control Surfaces (late)	£4.45

MISCELLANEOUS

Stainless Steel Wire 5.6 thou (1/4 inch at 1:48th scale) ideal for aeriels and rigging biplanes. Tube of 50 x 18 inches £2.25 plus 50p P&P for any number of tubes.

LSA MODELS ARE THE EDUARD SPECIALISTS

SW 72-196	Av 570-B Stuka	£5.95	EW 72-231	Macgregor Mk V (tail)	£5.95
SW 72-197	Spitfire Mk XIV	£5.95	EW 72-232	Macgregor Mk V (tail)	£5.95
SW 72-198	Av 570-B Stuka	£5.95	EW 72-233	Macgregor Mk V (tail)	£5.95
SW 72-199	Av 570-B Stuka	£5.95	14TH ETCHED BRASS		
SW 72-200	Av 570-B Stuka	£5.95	EW 46-173	Spitfire Mk XIV	£5.95
SW 72-201	Av 570-B Stuka	£5.95	EW 46-180	Av 400 Mustang	£5.95
SW 72-202	Av 570-B Stuka	£5.95	EW 46-182	Av 400 Mustang	£5.95
SW 72-203	Av 570-B Stuka	£5.95	EW 46-183	Av 400 Mustang	£5.95
SW 72-204	Av 570-B Stuka	£5.95	EW 46-184	Av 400 Mustang	£5.95
SW 72-205	Av 570-B Stuka	£5.95	EW 46-185	Av 400 Mustang	£5.95
SW 72-206	Av 570-B Stuka	£5.95	EW 46-186	Av 400 Mustang	£5.95
SW 72-207	Av 570-B Stuka	£5.95	EW 46-187	Av 400 Mustang	£5.95
SW 72-208	Av 570-B Stuka	£5.95	EW 46-188	Av 400 Mustang	£5.95
SW 72-209	Av 570-B Stuka	£5.95	EW 46-189	Av 400 Mustang	£5.95
SW 72-210	Av 570-B Stuka	£5.95	EW 46-190	Av 400 Mustang	£5.95
SW 72-211	Av 570-B Stuka	£5.95	EW 46-191	Av 400 Mustang	£5.95
SW 72-212	Av 570-B Stuka	£5.95	EW 46-192	Av 400 Mustang	£5.95
SW 72-213	Av 570-B Stuka	£5.95	EW 46-193	Av 400 Mustang	£5.95
SW 72-214	Av 570-B Stuka	£5.95	EW 46-194	Av 400 Mustang	£5.95
SW 72-215	Av 570-B Stuka	£5.95	EW 46-195	Av 400 Mustang	£5.95
SW 72-216	Av 570-B Stuka	£5.95	EW 46-196	Av 400 Mustang	£5.95
SW 72-217	Av 570-B Stuka	£5.95	EW 46-197	Av 400 Mustang	£5.95
SW 72-218	Av 570-B Stuka	£5.95	EW 46-198	Av 400 Mustang	£5.95
SW 72-219	Av 570-B Stuka	£5.95	EW 46-199	Av 400 Mustang	£5.95
SW 72-220	Av 570-B Stuka	£5.95	EW 46-200	Av 400 Mustang	£5.95
SW 72-221	Av 570-B Stuka	£5.95	EW 46-201	Av 400 Mustang	£5.95
SW 72-222	Av 570-B Stuka	£5.95	EW 46-202	Av 400 Mustang	£5.95
SW 72-223	Av 570-B Stuka	£5.95	EW 46-203	Av 400 Mustang	£5.95
SW 72-224	Av 570-B Stuka	£5.95	EW 46-204	Av 400 Mustang	£5.95
SW 72-225	Av 570-B Stuka	£5.95	EW 46-205	Av 400 Mustang	£5.95
SW 72-226	Av 570-B Stuka	£5.95	EW 46-206	Av 400 Mustang	£5.95
SW 72-227	Av 570-B Stuka	£5.95	EW 46-207	Av 400 Mustang	£5.95
SW 72-228	Av 570-B Stuka	£5.95	EW 46-208	Av 400 Mustang	£5.95
SW 72-229	Av 570-B Stuka	£5.95	EW 46-209	Av 400 Mustang	£5.95
SW 72-230	Av 570-B Stuka	£5.95	EW 46-210	Av 400 Mustang	£5.95
SW 72-231	Av 570-B Stuka	£5.95	EW 46-211	Av 400 Mustang	£5.95
SW 72-232	Av 570-B Stuka	£5.95	EW 46-212	Av 400 Mustang	£5.95
SW 72-233	Av 570-B Stuka	£5.95	EW 46-213	Av 400 Mustang	£5.95
SW 72-234	Av 570-B Stuka	£5.95	EW 46-214	Av 400 Mustang	£5.95
SW 72-235	Av 570-B Stuka	£5.95	EW 46-215	Av 400 Mustang	£5.95
SW 72-236	Av 570-B Stuka	£5.95	EW 46-216	Av 400 Mustang	£5.95
SW 72-237	Av 570-B Stuka	£5.95	EW 46-217	Av 400 Mustang	£5.95
SW 72-238	Av 570-B Stuka	£5.95	EW 46-218	Av 400 Mustang	£5.95
SW 72-239	Av 570-B Stuka	£5.95	EW 46-219	Av 400 Mustang	£5.95
SW 72-240	Av 570-B Stuka	£5.95	EW 46-220	Av 400 Mustang	£5.95
SW 72-241	Av 570-B Stuka	£5.95	EW 46-221	Av 400 Mustang	£5.95
SW 72-242	Av 570-B Stuka	£5.95	EW 46-222	Av 400 Mustang	£5.95
SW 72-243	Av 570-B Stuka	£5.95	EW 46-223	Av 400 Mustang	£5.95
SW 72-244	Av 570-B Stuka	£5.95	EW 46-224	Av 400 Mustang	£5.95
SW 72-245	Av 570-B Stuka	£5.95	EW 46-225	Av 400 Mustang	£5.95
SW 72-246	Av 570-B Stuka	£5.95	EW 46-226	Av 400 Mustang	£5.95
SW 72-247	Av 570-B Stuka	£5.95	EW 46-227	Av 400 Mustang	£5.95
SW 72-248	Av 570-B Stuka	£5.95	EW 46-228	Av 400 Mustang	£5.95
SW 72-249	Av 570-B Stuka	£5.95	EW 46-229	Av 400 Mustang	£5.95
SW 72-250	Av 570-B Stuka	£5.95	EW 46-230	Av 400 Mustang	£5.95
SW 72-251	Av 570-B Stuka	£5.95	EW 46-231	Av 400 Mustang	£5.95
SW 72-252	Av 570-B Stuka	£5.95	EW 46-232	Av 400 Mustang	£5.95
SW 72-253	Av 570-B Stuka	£5.95	EW 46-233	Av 400 Mustang	£5.95
SW 72-254	Av 570-B Stuka	£5.95	EW 46-234	Av 400 Mustang	£5.95
SW 72-255	Av 570-B Stuka	£5.95	EW 46-235	Av 400 Mustang	£5.95
SW 72-256	Av 570-B Stuka	£5.95	EW 46-236	Av 400 Mustang	£5.95
SW 72-257	Av 570-B Stuka	£5.95	EW 46-237	Av 400 Mustang	£5.95
SW 72-258	Av 570-B Stuka	£5.95	EW 46-238	Av 400 Mustang	£5.95
SW 72-259	Av 570-B Stuka	£5.95	EW 46-239	Av 400 Mustang	£5.95
SW 72-260	Av 570-B Stuka	£5.95	EW 46-240	Av 400 Mustang	£5.95
SW 72-261	Av 570-B Stuka	£5.95	EW 46-241	Av 400 Mustang	£5.95
SW 72-262	Av 570-B Stuka	£5.95	EW 46-242	Av 400 Mustang	£5.95
SW 72-263	Av 570-B Stuka	£5.95	EW 46-243	Av 400 Mustang	£5.95
SW 72-264	Av 570-B Stuka	£5.95	EW 46-244	Av 400 Mustang	£5.95
SW 72-265	Av 570-B Stuka	£5.95	EW 46-245	Av 400 Mustang	£5.95
SW 72-266	Av 570-B Stuka	£5.95	EW 46-246	Av 400 Mustang	£5.95
SW 72-267	Av 570-B Stuka	£5.95	EW 46-247	Av 400 Mustang	£5.95
SW 72-268	Av 570-B Stuka	£5.95	EW 46-248	Av 400 Mustang	£5.95
SW 72-269	Av 570-B Stuka	£5.95	EW 46-249	Av 400 Mustang	£5.95
SW 72-270	Av 570-B Stuka	£5.95	EW 46-250	Av 400 Mustang	£5.95
SW 72-271	Av 570-B Stuka	£5.95	EW 46-251	Av 400 Mustang	£5.95
SW 72-272	Av 570-B Stuka	£5.95	EW 46-252	Av 400 Mustang	£5.95
SW 72-273	Av 570-B Stuka	£5.95	EW 46-253	Av 400 Mustang	£5.95
SW 72-274	Av 570-B Stuka	£5.95	EW 46-254	Av 400 Mustang	£5.95
SW 72-275	Av 570-B Stuka	£5.95	EW 46-255	Av 400 Mustang	£5.95
SW 72-276	Av 570-B Stuka	£5.95	EW 46-256	Av 400 Mustang	£5.95
SW 72-277	Av 570-B Stuka	£5.95	EW 46-257	Av 400 Mustang	£5.95
SW 72-278	Av 570-B Stuka	£5.95	EW 46-258	Av 400 Mustang	£5.95
SW 72-279	Av 570-B Stuka	£5.95	EW 46-259	Av 400 Mustang	£5.95
SW 72-280	Av 570-B Stuka	£5.95	EW 46-260	Av 400 Mustang	£5.95
SW 72-281	Av 570-B Stuka	£5.95	EW 46-261	Av 400 Mustang	£5.95
SW 72-282	Av 570-B Stuka	£5.95	EW 46-262	Av 400 Mustang	£5.95
SW 72-283	Av 570-B Stuka	£5.95	EW 46-263	Av 400 Mustang	£5.95
SW 72-284	Av 570-B Stuka	£5.95	EW 46-264	Av 400 Mustang	£5.95
SW 72-285	Av 570-B Stuka	£5.95	EW 46-265	Av 400 Mustang	£5.95
SW 72-286	Av 570-B Stuka	£5.95	EW 46-266	Av 400 Mustang	£5.95
SW 72-287	Av 570-B Stuka	£5.95	EW 46-267	Av 400 Mustang	£5.95
SW 72-288	Av 570-B Stuka	£5.95	EW 46-268	Av 400 Mustang	£5.95
SW 72-289	Av 570-B Stuka	£5.95	EW 46-269	Av 400 Mustang	£5.95
SW 72-290	Av 570-B Stuka	£5.95	EW 46-270	Av 400 Mustang	£5.95
SW 72-291	Av 570-B Stuka	£5.95	EW 46-271	Av 400 Mustang	£5.95
SW 72-292	Av 570-B Stuka	£5.95	EW 46-272	Av 400 Mustang	£5.95
SW 72-293	Av 570-B Stuka	£5.95	EW 46-273	Av 400 Mustang	£5.95
SW 72-294	Av 570-B Stuka	£5.95	EW 46-274	Av 400 Mustang	£5.95
SW 72-295	Av 570-B Stuka	£5.95	EW 46-275	Av 400 Mustang	£5.95
SW 72-296	Av 570-B Stuka	£5.95	EW 46-276	Av 400 Mustang	£5.95
SW 72-297	Av 570-B Stuka	£5.95	EW 46-277	Av 400 Mustang	£5.95
SW 72-298	Av 570-B Stuka	£5.95	EW 46-278	Av 400 Mustang	£5.95
SW 72-299	Av 570-B Stuka	£5.95	EW 46-279	Av 400 Mustang	£5.95
SW 72-300	Av 570-B Stuka	£5.95	EW 46-280	Av 400 Mustang	£5.95
SW 72-301	Av 570-B Stuka	£5.95	EW 46-281	Av 400 Mustang	£5.95
SW 72-302	Av 570-B Stuka	£5.95	EW 46-282	Av 400 Mustang	£5.95
SW 72-303	Av 570-B Stuka	£5.95	EW 46-283	Av 400 Mustang	£5.95
SW 72-304	Av 570-B Stuka	£5.95	EW 46-284	Av 400 Mustang	£5.95
SW 72-305	Av 570-B Stuka	£5.95	EW 46-285	Av 400 Mustang	£5.95
SW 72-306	Av 570-B Stuka	£5.95	EW 46-286	Av 400 Mustang	£5.95
SW 72-307	Av 570-B Stuka	£5.95	EW 46-287	Av 400 Mustang	£5.95
SW 72-308	Av 570-B Stuka	£5.95	EW 46-288	Av 400 Mustang	£5.95
SW 72-309	Av 570-B Stuka	£5.95	EW 46-289	Av 400 Mustang	£5.95
SW 72-310	Av 570-B Stuka	£5.95	EW 46-290	Av 400 Mustang	£5.95
SW 72-311	Av 570-B Stuka	£5.95	EW 46-291	Av 400 Mustang	£5.95
SW 72-312	Av 570-B Stuka	£5.95	EW 46-292	Av 400 Mustang	£5.95
SW 72-313	Av 570-B Stuka	£5.95	EW 46-293	Av 400 Mustang	£5.95
SW 72-314	Av 570-B Stuka	£5.95	EW 46-294	Av 400 Mustang	£5.95
SW 72-315	Av 570-B Stuka	£5.95	EW 46-295	Av 400 Mustang	£5.95
SW 72-316	Av 570-B Stuka	£5.95	EW 46-296	Av 400 Mustang	£5.95
SW 72-317	Av 570-B Stuka	£5.95	EW 46-297	Av 400 Mustang	£5.95
SW 72-318	Av 570-B Stuka	£5.95	EW 46-298	Av 400 Mustang	£5.95
SW 72-319	Av 570-B Stuka	£5.95	EW 46-299	Av 400 Mustang	£5.95
SW 72-320	Av 570-B Stuka	£5.95	EW 46-300	Av 400 Mustang	£5.95
SW 72-321	Av 570-B Stuka	£5.95	EW 46-301	Av 400 Mustang	£5.95
SW 72-322	Av 570-B Stuka	£5.95	EW 46-302	Av 400 Mustang	£5.95
SW 72-323	Av 570-B Stuka	£5.95	EW 46-303	Av 400 Mustang	£5.95
SW 72-324	Av 570-B Stuka	£5.95	EW 46-304	Av 400 Mustang	£5.95
SW 72-325	Av 570-B Stuka	£5.95	EW 46-305	Av 400 Mustang	£5.95
SW 72-326	Av 570-B Stuka	£5.95	EW 46-306	Av 400 Mustang	£5.95
SW 72-327	Av 570-B Stuka	£5.95	EW 46-307	Av 400 Mustang	£5.95
SW 72-328	Av 570-B Stuka	£5.95	EW 46-308	Av 400 Mustang	£5.95
SW 72-329	Av 570-B Stuka	£5.95	EW 46-309	Av 400 Mustang	£5.95
SW 72-330	Av 570-B Stuka	£5.95	EW 46-310	Av 400 Mustang	£5.95
SW 72-331	Av 570-B Stuka	£5.95	EW 46-311	Av 400 Mustang	£5.95
SW 72-332	Av 570-B Stuka	£5.95	EW 46-312	Av 400 Mustang	£5.95
SW 72-333	Av 570-B Stuka	£5.95	EW 46-313	Av 400 Mustang	£5.95
SW 72-334	Av 570-B Stuka	£5.95	EW 46-314	Av 400 Mustang	£5.95
SW 72-335	Av 570-B Stuka	£5.95	EW 46-315	Av 400 Mustang	£5.95
SW 72-336	Av 570-B Stuka	£5.95	EW 46-316	Av 400 Mustang	£5.95
SW 72-337	Av 570-B Stuka	£5.95	EW 46-317	Av 400 Mustang	£5.95
SW 72-338	Av 570-B Stuka	£5.95	EW 46-318	Av 400 Mustang	£5.95
SW 72-339	Av 570-B Stuka	£5.95	EW 46-319	Av 400 Mustang	£5.95
SW 72-340	Av 570-B Stuka	£5.95	EW 46-320	Av 400 Mustang	£5.95
SW 72-341	Av 570-B Stuka	£5.95	EW 46-321	Av 400 Mustang	£5.95
SW 72-342	Av 570-B Stuka	£5.95	EW 46-322	Av 400 Mustang	£5.95
SW 72-343	Av 570-B Stuka	£5.95	EW 46-323	Av 400 Mustang	£5.95
SW 72-344	Av 570-B Stuka	£5.95	EW 46-324	Av 400 Mustang	£5.95
SW 72-345	Av 570-B Stuka	£5.95	EW 46-325	Av 400 Mustang	£5.95
SW 72-346	Av 570-B Stuka	£5.95	EW 46-326	Av 400 Mustang	£5.95
SW 72-347	Av 570-B Stuka	£5.95	EW 46-327	Av 400 Mustang	£5.95
SW 72-348	Av 570-B Stuka	£5.95	EW 46-328	Av 400 Mustang	£5.95
SW 72-349	Av 570-B Stuka	£5.95	EW 46-329	Av 400 Mustang	£5.95
SW 72-350	Av 570-B Stuka	£5.95	EW 46-330	Av 400 Mustang	£5.95
SW 72-351	Av 570-B Stuka	£5.95	EW 46-331	Av 400 Mustang	£5.95
SW 72-352	Av 570-B Stuka	£5.95	EW 46-332	Av 400 Mustang	£5.95
SW 72-353	Av 570-B Stuka	£5.95	EW 46-333	Av 400 Mustang	£5.95
SW 72-354	Av 570-B Stuka	£5.95	EW 46-334	Av 400 Mustang	£5.95
SW 72-355	Av 570-B Stuka	£5.95	EW 46-335	Av 400 Mustang	£5.95
SW 72-356	Av 570-B Stuka	£5.95	EW 46-336	Av 400 Mustang	£5.95
SW 72-357	Av 570-B Stuka	£5.95	EW 46-337	Av 400 Mustang	£5.95
SW 72-358	Av 570-B Stuka	£5.95	EW 46-338	Av 400 Mustang	£5.95
SW 72-359	Av 570-B Stuka	£5.95	EW 46-339	Av 400 Mustang	£5.95
SW 72-360	Av 570-B Stuka	£5.95	EW 46-340	Av 400 Mustang	£5.95
SW 72-361	Av 570-B Stuka	£5.95	EW 46-341	Av 400 Mustang	£5.95
SW 72-362	Av 570-B Stuka	£5.95	EW 46-342	Av 400 Mustang	£5.95
SW 72-363	Av 570-B Stuka	£5.95			

fuselage and give overall added rigidity. This works well once in place and the wings bond well to the body and their correct dihedral is automatically achieved. A good wing contour can be obtained with careful sanding of the interior trailing edges prior to the wing halves going together.

The engine nacelle parts for both the in-line and radial versions are again very thin and their fit to the lower wings is not too good. The joints will need more than a smear of filler and some careful rubbing down. The wheel wells require some scratch-building with plastic, paper or balsa to give them a reasonable shape and details added if you wish. Filler is required around the tail to body joint and the wing roots as usual. The wheels and propellers etc. are all supplied in injection moulded plastic and require a little cleaning up before fixing in place. The main undercarriage legs do not have axles on the bottom to fix the wheels to. I filed a v-shaped groove in the bottom of each leg and drilled a hole in the wheel to take an axle made from plastic rod. The axle was then fixed in the v-shaped groove with superglue. The main wheels have the mudguards moulded on them, so don't go filing this off thinking it's bad moulding like I did on one wheel! It was hard to tell with this awful semi-transparent emerald green plastic.



The polyethylene used to make the transparencies refuses to adhere with either Clearfix or polystyrene cement, so despite the risk of clouding, I found the only recourse was to use superglue, with the result that one of them inevitably clouded! The main canopy is best cut with a slight 'foot' on it to give an area for the superglue to gain some purchase. Butt jointing will not work and my attempts to do so ended in disaster. The same is true for the nose, as you cannot easily butt joint two edges as thin as a piece of paper and expect them to adhere with any strength. Hence the reason for the 2mm excess lip mentioned earlier. Use this lip to fit inside the 'glass' nose and fix in place with superglue. The resulting 'edge' can be removed by building up the body with a smear of filler and rubbing back. An interior collar of scrap plastic could be used, but the fit would not be as strong as I found the body shape varied to the shape of the nose piece!

I finished the models off with the radio wire which extends from the antenna to the starboard tail fin only.

Accuracy

I confirmed the dimensions of the Saab 18 given in the instruction with Kenneth Munson's Bombers 193-45 as having a wingspan of 17m and a length of 13.23m. The model's measured 236 in span and 181mm in length. So my model is just a shade too short but that could be corrected when the nose glass goes on. So very accurate in size. The

look is not too bad either, but to get a decent 'look' will require considerable time and effort spent on the basic model.

Colour Options

One option is included for each variant that it's possible to build from each kit, but all are in the standard Olive Green (Humbrol 108) upper surfaces and blue-grey undersides (I used Humbrol 87) of the Swedish Air Force. The T-18B model is from the F17 wing based at Ronnesby, and the B-18A/S-18A model gives the option of either a bomber of the F1 wing at Vasteras or a maritime surveillance machine from the F11 wing based at Nykoping.

Decals

The decal sheet is generic to all three kits available for the Saab 18. It is poorly printed on a single carrier film so each subject has to be cut out prior to dipping into the water. However, the carrier film is thin and prone to disintegrating if the decal carrier is too small or handled with anything but the deftest of touches. They are also too transparent and discolour when applied to the model's surface, particularly on the darker backgrounds and they require decal Sol to bed them down. Lastly the blue on the roundels is a royal blue and far too dark. If alternative decals,

particularly the national insignia, can be found (check out Flying Colors - Ed), then use them. If not, use the kit's decals as a guide to hand painting, once applied.

Decal Rating = 2/10

Conclusion

When a model arrives from the editorial office for review, I always try to find at least something positive to say about it and in most cases that is the easy part. After all someone has spent a lot of time and effort to produce the model in the first place. Broplan produces models of aircraft from their native Poland and designs of other nations that are largely overlooked by other manufacturers, and with these Saab 18s this is again the case. But their models are not for the faint-hearted. The basic ingredients are there to make a decent representation of this rather pleasing looking aircraft but it requires patience and a fair chunk of scratch-building skill and modelling experience to do so. The problem is that the basic parts are poor, when compared to other manufacturers products, but then other manufacturers don't tackle the same subjects do they! So if you want a Saab 18, to my knowledge, this is it. But to all but the most experienced and dedicated I cannot recommend these kits, despite being rather pleased with my results.

My thanks to Broplan for the review samples.

Dan Claxton

HobbyTown USA®

The world's largest hobby franchise!

your modeling headquarters • shop on-line • www.hobbytown.com

HobbyTown USA®
Spring National
Model Contest
Saturday, April 1 at
your local
HobbyTown USA®.



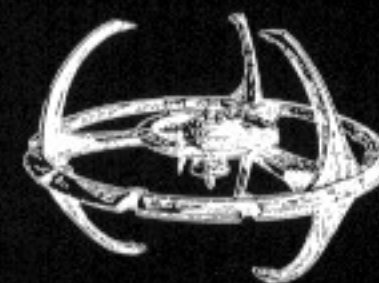
- Huge Selection
- Secure On-line Orders
- Special Orders Available



- Plastic & Diecast
- Domestic & Import Models
- Detail Kits



- Paints & Tools
- WWII & Modern Aircraft
- Sci-Fi



Auburn, AL	(334) 826-8216
Mobile, AL	(334) 633-8446
Gilbert, AZ	(602) 892-0405
Phoenix, AZ	(602) 598-5282
Tucson, AZ	(520) 882-8888
Fayetteville, AR	(501) 571-3730
Little Rock, AR	(501) 223-5155
Brea, CA	(714) 990-9652
Chino, CA	(909) 591-9958
Chico, CA	(530) 899-2977
Fresno, CA	(209) 435-3342
San Marcos, CA	(760) 739-0672
Co. Springs, CO	(719) 531-0404
Co. Springs, CO	(719) 637-0404
Fort Collins, CO	(970) 226-3900
Longmont, CO	(303) 774-1557
Westminster, CO	(303) 431-0482
New Milford, CT	(860) 355-3000
Miami, FL	(305) 273-7803
Ormond Bch., FL	(904) 672-5441
Tallahassee, FL	Coming Soon!
Augusta, GA	(706) 855-5003
Columbus, GA	(706) 860-1793
Kennesaw, GA	(770) 426-8800
Macon, GA	(912) 474-0061
Statesboro, GA	(912) 489-8700
Ames, IA	(515) 232-9060
Cedar Rapids, IA	(319) 364-3289
Davenport, IA	(319) 355-2071
Boise, ID	(208) 376-1942
Geneva, IL	(630) 208-9062
Machesney Pk., IL	(815) 282-0727
Morton Grove, IL	Coming Soon!
Naperville, IL	(630) 778-8707
Oak Park, IL	(708) 445-8056
Evansville, IN	(812) 477-7200
Indianapolis, IN	(317) 845-4106
Merrillville, IN	(219) 736-0255
Lawrence, KS	(785) 865-0883
Overland Pk, KS	(913) 649-7979
Wichita, KS	(316) 683-7222
Alexandria, KY	(606) 635-8223
Lexington, KY	(606) 277-5664
Louisville, KY	(502) 254-5755
Owensboro, KY	(502) 688-9080
Bellingham, MA	(508) 966-3559
Easton, MD	(410) 820-9308
Frederick, MD	(301) 694-7395
Glen Burnie, MD	(410) 590-4950
Ann Arbor, MI	(734) 996-2444
Iron Mountain, MI	(906) 779-0494
Traverse City, MI	(616) 929-5615
Kansas City, MO	(816) 459-9590
Lee's Summit, MO	(816) 525-6885
St. Louis, MO	(314) 394-0177
Brooklyn Park, MN	(612) 424-6052
Minnetonka, MN	(612) 470-7474
Jackson, MS	(601) 957-9900
Tupelo, MS	(662) 690-6030
Boone, NC	(828) 265-3367
Charlotte, NC	(704) 544-2303
Raleigh, NC	(919) 790-5324
Wilmington, NC	(910) 256-0902
Winston-Sal., NC	(336) 774-2324
Grand Forks, ND	(701) 746-0708
Grand Island, NE	(308) 382-3451
La Vista, NE	(402) 597-1888
Lincoln, NE	(402) 434-5056
Norfolk, NE	(402) 371-2240
Omaha, NE	(402) 498-8888
Westfield, NJ	Coming Soon!
Farmington, NM	(505) 325-5156
Rio Rancho, NM	Coming Soon!
Carson City, NV	(702) 883-5475
Las Vegas, NV	(702) 889-9554
Albany, NY	(518) 435-9961
Amherst, NY	(716) 833-7700
Cincinnati, OH	(513) 697-8224
Columbus, OH	(614) 777-9307
Mentor, OH	(440) 946-5588
Southpoint, OH	(740) 894-6303
Strongsville, OH	(440) 846-1770
Norman, OK	(405) 292-5850
Clackamas, OR	(503) 652-5899
West Chester, PA	(610) 696-9049
Charleston, SC	(843) 769-5808
Columbia, SC	(803) 407-2373
Greenville, SC	(864) 627-9633
Sioux Falls, SD	(605) 339-6613
Chattanooga, TN	(423) 877-9885
Franklin, TN	(615) 771-7441
Germantown, TN	(901) 757-8774
Knoxville, TN	(423) 690-1099
Nashville, TN	(615) 851-2400
Arlington, TX	(817) 557-2225
Austin, TX-South	(512) 440-7877
Austin, TX-North	(512) 246-8904
Fort Worth, TX	(817) 263-1196
Plano, TX	(972) 758-7875
San Antonio, TX	(210) 829-8697
Salt Lake City, UT	(801) 964-8242
Virginia Beach, VA	(757) 464-4140
Yorktown, VA	Coming Soon!
Lynnwood, WA	(425) 774-0819
Redmond, WA	(425) 558-0312
Tukwila, WA	(206) 575-0949
Brookfield, WI	(414) 782-4332
Delafield, WI	Coming Soon!
Green Bay, WI	(920) 490-9996
Oshkosh, WI	(920) 426-1840
Sheboygan, WI	(920) 452-0801
Cross Lanes, WV	(304) 776-7259

www.hobbytown.com

Franchise Information • (800) 858-7370 • dfo@hobbytown.com

Curtiss AT-9 Jeep

Technical Data

Manufacturer: Pavla Models
Scale: 1/72nd Price: £10.00
Kit No: 72013
Panel Lines: Recessed ✓
Status: New Tooling ✓
Production: Limited Edition
Type: Limited-run injection moulded Plastic, Resin, Etched Brass & Vac-form Clear
Parts: Plastic 34 (Grey), Resin 6, Etched Brass 29, Vac-form Clear 1, Acetate 1
Decal Options: 2
Manufacturer: Pavla Models
Obtain in UK via: Hannants

Curtiss AT-9 Jeep



The Kit

This kit is supplied in Pavla's distinctive box featuring a side view of the subject. Moulded in a light grey plastic it has very little flash on the parts, although there is quite a bit on the sprues. Recessed panel lines are quite finely portrayed on all the main airframe parts but the cockpit is devoid of any detail which is limited to basic furniture and the few pieces on the brass etched fret. The engine and prop blades are included as resin parts. The propeller hubs, to which the blades are fitted separately, are among the injected parts and will need cleaning up and the shafts thinning down in order to fit into the engines. There are blades on the sprue but these are best ignored. Only one vacform canopy is supplied with well defined framework. The etched frame includes mainly cockpit detailing parts and a few external items.

Instructions

The instructions consist of two A4 sheets which make up into a folded eight page booklet. A parts map shows the layout of all the kit's pieces followed by the general assembly sequence and two pages of colour schemes which are fairly clear to follow. There are a couple of anomalies with regard to the instructions and the etched part numbering. For instance, the part for the centre console (M6) does not quite resemble the drawing shown in having curve additions along each side. To me this part should be the roof-mounted radio

panel (M13) because of the curved nature of the canopy. Part M13 ought to be the piece to fit the centre console! All a bit confused? I was! Painting guides are limited to lettered keys and references to Humbrol or Agama paints. Only the cockpit interior colour is given a colour reference of ANA611.

Construction

Beginning with the cockpit assembly the seats are fitted to two raised lugs on the floor part. The seat parts are merely square shapes butt joined and need a little cleaning up around the edges. The same goes for the bulkhead. Having earlier prepared the instrument panel by fixing the film and then the plastic backing all together I could see that it would not look like the diagram on the instructions. So, I assembled the whole lot so that everything would fit the cockpit area. Most of the tiny etched parts were omitted because they just vanished when cut from the fret! When it came to joining the fuselage halves I found a problem with the fit of the interior assembly. Basically, the floor and bulkhead need some cutting or rubbing down around all the edges in order for the fuselage halves to join neatly. This took a little while before a satisfactory join could be made. Once done, I settled on the choice of which part to fit on the centre console as mentioned earlier and painted the interior colour. This was then followed by fitting the control columns. Being on the brass fret they're very thin and fragile so care must be taken with these items. The wings come next and need to be sanded down along the faces where they join vacform fashion. Also ejector pin lugs need to be removed before joining unless you want a biplane version! All this is necessary to attain sharp trailing edges. The wing to fuselage joints need filling on the undersides but otherwise fit reasonably well, and the tailplanes are simply butt fitted to the rear fuselage with no location marks, so you have to refer to the drawings in the kit and use a little guesswork in order to ascertain the exact location.

Remaining assembly involves the undercarriage and the engine units. Here careful planning and alignment is needed to ensure that the engine parts are located in the right places otherwise one may encounter problems when it comes to adding the props. Final build stages include the fitting of the canopy which has to be trimmed carefully to fit well, then the

addition of the remaining external etched parts. Before fitting the canopy, the upper entry door frames have to be removed. I did have a bit of trouble with the transparency and, masking it first, I used filler to hide the join. The instructions show that the exhausts and pitot tube have to be made by the builder, being the only extra work needed.

Accuracy

This aircraft type is not one of those well known ones so references are a bit thin on the ground. I am fortunate enough to have an original copy of Aircraft of the Fighting Powers Vol. IV and the Curtiss AT-9 is included with a description and scale plans. As this is my only available reference for this type I used this information to check out this kit. The dimensions compare well with those stated in the kit and the model measures almost spot on to both sources. However, I found that the plans in Aircraft of the Fighting Powers are a bit undersized when the parts were laid over. Overall though, the model is quite accurate and looks right when compared to the only photograph of the real thing in the book.

Colour Options

Three options are shown on the instructions but no unit information. Two are in overall aluminium; while one of these has the early pre-war blue with red/white rudder stripes, coded T-58 (this is pictured in the above reference) and the other is coded 620 and has the lower rear fuselage in black. The third choice is one in early 1942 Olive Drab over Neutral Grey with a yellow serial on the fin being the only splash of colour.

For the review model I finished it in Aluminium using Halfords Nissan Silver and buffed in SNJ to add some tone

difference. Humbrol paints were used for all other colouring. I rather like the rudder striping on aircraft of this period so these were used. On the actual decal sheet there is a fourth choice, serial 2-57103 and coded U-124 so I used these markings with the stripes. A little artistic licence on my part as I have no other information, but it looks OK.

Decals

The decal sheet is very well printed and is a Propagteam product. I've used Propagteam decals before and have had a few scares with them, but this sheet is a vast improvement over their others as they allowed more time for adjustment, and they also appear to be stronger than usual. Colour density is good as is the register of the printing. Once dry there was no sign of carrier film and so I sealed them in place with a coat of Klear. The only little glitch lies with the striping which does not quite cover the trailing edges of the rudder, being slightly undersize. An excellent decal sheet.

Decal Rating = 10/10.

Conclusion & Recommendation

This is my first from the Pavla range, thought not my first limited run by any means, so few unexpected problems were encountered during the building of the kit. I always like tackling this type of kit, but it was a little frustrating in places as described earlier. Though a straightforward kit to build it is really only recommended for modellers with experience and some patience with limited run kits.

So if you want to add the Curtiss to your collection of trainers, go ahead and buy one while they are around.

My thanks to Pavla for the review sample.

Paul Janicki



Revell

Thank You

Scale Aviation Modeller International would like to thank Revell, Binney & Smith (Europe) Ltd for the generous supply of paints and accessories from their extensive range for use by the review team throughout 1999.

AeroMaster

Thank You

Scale Aviation Modeller International would like to thank AeroMaster (via Athena Books & Hannants) for the generous supply of paints from their 'Warbird Color' and 'Warbird Acrylic Color' range for use by the review team throughout 1999.

HUMBROL

Thank You

Scale Aviation Modeller International would like to thank Humbrol Ltd for the generous supply of paints and accessories from their extensive range for use by the review team throughout 1999.

LIFECOLOR

ACRYLIC HONEY COLORS

Thank You

Scale Aviation Modeller International would like to thank AstroModel for the generous supply of paints from their LifeColor range for use by the review team throughout 1999.

IF DISTRIBUTION MEANS TO YOU : GOOD STOCK, AGGRESSIVE PRICES AND EXCELLENT SERVICE, DON'T GO FURTHER !!! WELCOME TO MID
WE DISTRIBUTE OUR PRODUCTS ALL OVER EUROPE, SO...
WHY WAIT ??? ASK ABOUT OUR SUPER DEALER CONDITIONS !!!

AVENUE E. VANDERVELDE 23 - 4300 WAREMME - BELGIUM - PHONE : +32.19.33.19.35 - FAX : +32.19.32.58.06
E-MAIL : MID_BELGIUM@HOTMAIL.COM



AG001 - YAKOVLEV UT-2 (AGA - 1/72)	9.17 EUR	IN005 - MORANE MS 406cl (INTECH - 1/72)	5.21 EUR
API01 - LUBLIN R XIII TER (AEROPLAST - 1/72)	12.15 EUR	IN009 - BF 109G-2/TROP (INTECH - 1/72)	5.21 EUR
API05 - F-22A LIGHTNING II (AEROPLAST - 1/72)	14.63 EUR	IN016 - BF 109G-12 (INTECH - 1/72)	6.20 EUR
HU2500 - FOCKE WULF 44 (HUMA MODELL - 1/72)	10.66 EUR	MR48301 - LUBLIN R XIII D (MIRAGE - 1/48)	12.15 EUR
HU2503 - ME 209 V1/V4 (HUMA MODELL - 1/72)	10.66 EUR	MR48132 - PZL 37B LOS (MIRAGE - 1/48)	44.50 EUR
HU2510 - DORNIER 27 (HUMA MODELL - 1/72)	10.66 EUR	PL010 - MIG-17 FRESCO (PLASTYK - 1/72)	6.32 EUR
HU3000 - DFS 230 (HUMA MODELL - 1/72)	13.01 EUR	PL034 - SU-22 UM-3K (PLASTYK - 1/72)	9.79 EUR
HU3002 - GÖTTA 145 (HUMA MODELL - 1/72)	13.01 EUR	RP72007 - BE-4 (RPM - 1/72)	7.19 EUR
HU3502 - FW TRIEBFLUGEL (HUMA MODELL - 1/72)	14.63 EUR	RP72008 - BF 109 E-1 SPAIN 38-39 (RPM - 1/72)	7.19 EUR
HU4501 - KALKERT 430 (HUMA MODELL - 1/72)	24.54 EUR	BM003 - PANEL SCRIBER	15.25 EUR
HU5000 - FOCKE ACHGELIS 223 (HUMA MODELL - 1/72)	27.14 EUR	BM011 - BARE METAL MATTE ALUMINIUM	7.44 EUR
HU6000 - DORNIER WAL (HUMA MODELL - 1/72)	31.23 EUR	HO211 - SURGICAL BLADE II + Stainless Steel HANDLE	2.23 EUR
HU6500 - FLETTNER 282 (HUMA MODELL - 1/48)	20.58 EUR	MB001 - MICROBRUSH APPLICATORS FINE (BOX OF 25)	3.72 EUR
IC72023 - YAK 9 (ICM - 1/72)	8.55 EUR	MI-1 - MICROSCALE SET	3.10 EUR
IC72051 - I-1 (ICM - 1/72)	8.55 EUR	MP242 - HEAD MAGNIFYING GLASS (1.8, 2.3, 3.7, 4.8 X)	37.06 EUR
IC72101 - SOVIET MODERN AIR ARMAMENT (ICM - 1/72)	5.33 EUR	MX105 - CYANOACRYLATE ADHESIVE 20 GRS - LIQUID	3.47 EUR
IC48013 - YAK-9 DD (ICM - 1/48)	13.88 EUR	MX601 - CYANOACRYLATE ADHESIVE 20 GRS - THICK	3.47 EUR
IC48021 - SOVIET PILOTS & GROUND PERSONEL (ICM - 1/48)	7.44 EUR	XU410T - HIGH PRECISION SHEAR (XURON - TOOLS)	13.63 EUR
IC48051 - MIG-3 (ICM - 1/48)	13.88 EUR	XU440PET - HIGH PRECISION SCISSOR PE PARTS (XURON)	21.07 EUR

OUR PRODUCTS ARE AVAILABLE FROM YOUR LOCAL HOBBY SHOP OR DIRECTLY FROM MID. THE NEW COMPLETE MID CATALOGUE IS NOW AVAILABLE (MORE THAN 400 ITEMS, ALL IN COLOUR !!!)



AG001 - YAKOVLEV UT-2 (AGA - 1/72)



AVAILABLE CATALOGUES : MID :5 EUR - HUMA MODELL : 3 EUR - AEROPICCOLA (wooden boats) : 9 EUR.
ALL PRICES ARE VAT INCLUDED. PLEASE ADD 6 EUR FOR ALL SHIPMENT OF BOXES - CATALOGUES ARE FREE OF POSTAL CHARGE.
PAYMENT ACCEPTED ONLY BY CREDIT CARD (VISA/MASTERCARD/EUROCARD) OR BY IMO.



SOUTHERN EXPO
March 18th & 19th
SEE OUR SALES STAND

ED Models

SHOP/MAIL ORDER: (DEPT SAM)
64 Stratford Road, Shirley, Solihull,
West Midlands B90 3LP.
Tel: 0121 744 7488 Fax: 0121 733 2591
email: airwaves@ultramail.co.uk

NEW AIRWAVES BRASS ETCH DETAIL SETS



AC72-209 Douglas TBD Devastator (Airfix) £5.99
Incl: Cockpit details for all 3 crew stations, instrument panels, rudder, pedals, seat harness, seats, scarf ring, DF loop aerial, roll over braces, Wing fold frames, hinges and internal structure.

AC48-097 Douglas TBD Devastator (Monogram) £5.99
Wing Fold, scarf ring, torpedo sight, seat harness, torpedo propeller

RECENT AIRWAVES 1:48 CONVERSIONS

SC48-068 Spitfire PR 1G (PR Mk VII)	£8.99
SC48-050 Spitfire PR Mk X	£15.25
SC48-051 Spitfire PR Mk XI	£15.25
SC48-060 Spitfire MkV 'C' wing	£16.99
SC48-064 Seafire Mk III straight wing	£22.99
SC48-065 Seafire Mk III with folded wings	£27.99
SC48-070 Spitfire Mk VA conv.	£1.99
SC48-072 Tornado GR4 conversion	£5.99

RECENT AIRWAVES 1:72 CONVERSIONS

SC72-106 RN Lynx Mk3GM Gulf war	£23.99
SC72-107 RN Lynx Mk 8 conv.	£23.99
SC72-108 Sup. Attacker Belly tank, arrestor hook	£4.99
SC72-112 Seafire Mk III w/ Straight wings	£15.99
SC72-113 Seafire Mk III w/ folded wings	£16.99
SC72-114 Westland Lynx BURP Blades	£6.99
SC72-116 Tornado GR4 conv.	£4.99
SC72-117 Fw Ta 152C Tail for Academy Fw190D9	£2.99

BERNA CLAMPS

Pack of 3 berna clamps 2 small, 1 large £9.99

MINICRAFT TOOLS

Superb Adjustable Pressure Clamp as review in SAMI £9.99

HEADBAND MAGNIFIER

Fully adjustable headband. Can be worn with glasses. Includes 4 magnifications; 1.2X, 1.8X, 2.5X & 3.5X. And battery operated spotlight with on/off switch
Price £34.99 post free

ARBA 1:48 resin

Tempest Tail Planes £3.99
For Hasegawa Typhoon £28.00
Gloster Whittle jet

HIKOKI BOOKS

Shadows 1967-1970 £29.95
Blafra & Nigeria Air War/lift

CLASSIC PUBLICATIONS

Sturmstaffel 1 £14.95
Fw190 Reich defense 1943-44 £24.95
Battle Over Bavaria
JV44 Me262 verses B-26

DETAIL & SCALE BOOKS

8624 B-24 Liberator (March) £10.95
All B-24 & PB4Y variants

SQUADRON SIGNAL IN ACTION

1172 Fiat CR 32/42 (March) £6.99

ALBATROSS PUBLICATIONS

Fokker D.VII Anthology Part 2 £18.50
No79 Rumpier C.I £8.95
No80 1 II Strutter single seat £8.95

ADI BOOKS

How to Build Tamiya Swordfish £9.99

ACCURATE MINIATURES 1:48

B-25B Mitchell Doolittle Raid £34.99
Due during March

REVELL due for march release

1:144 Ekr A-90 Caspian Sea monster	
1:72 Dornier Do335A-1 (ex Dragon)	£7.99
1:72 Me 262 A-1/U3 Recon	£3.99
1:72 Fiat G.91R1/R3	£
1:72 F-4F Phantom	£8.99
1:72 A-6E TRAM Intruder	£10.99
1:48 Focke Wulf Fw190D-11 (ex Dragon)	£10.99
1:48 Rockwell B-1	£39.99

ITALERI 1:72 due March

008 JAS-39A Gripen £6.99

AIRFIX 1:72

Henschel HS 123A1 £3.99
RAF WW2 Personnel £3.99
NATO ground Crew £3.99

AIRFIX 1:72 Re-release Due April

Hawker P 1127 £2.99
Why Pay £20.00? Advance orders taken

F.M FONDERIE MINIATURE

1:48 injection /resin/ etch/decals	
6001 Bloch MB 152 C1	£19.99
6003 Dewoitine D510 French	£20.99
6004 Breguet 693 A/B	£26.99
6005 Dewoitine D510 export	£19.99

AIRWAVES & WORLD WIDE TRADE ENQUIRES WELCOME

IF YOU HAVE ANY SUGGESTIONS OR IDEAS FOR FUTURE AIRWAVES DETAIL OR CONVERSION SETS PLEASE LET US KNOW. ITS YOU WE WANT TO PLEASE.



POSTAGE ON DECALS AND PHOTO ETCH UK/BFPO: Up to £6.00 - 50p. Over £6.00 - FREE No postage when ordering with kits. POSTAGE ON KITS AND BOOKS UK/BFPO: Up to £3.00 - 60p. Up to £10.00 - £1.50 Up to £25.00 - £2.00. Over £25.00 - FREE. All prices include VAT @ 17.5%. Overseas customers (inc Eire) please add 35% to cover surface mail. Air Mail extra (approx. 45%). Overseas and BFPO deduct VAT at 17.5%. Books zero rated. ADVANCE ORDERS TAKEN - Cheques/Credit cards not charged until day of dispatch.



AVIA IMPORTS USA

PO Box 99, Cary, NC 27512 Telephone: 1-919-233-0212 Facsimile: 1-919-469-0212 e-mail: aviausa@aol.com

AIRWAYS accessories & conversions			FALCON clear wax canopy sets		
AWC48037	Spitfire PR 1G Photo Recon Type 1	\$15.95	FCV48003	WWII Fighters Pt 1	\$13.95
AWC48038	Spitfire PR 1G Photo Recon Type 2	\$16.95	FCV48007	US Navy WWII Pt 1	\$13.95
AWC48039	Spitfire PR 1F Photo Recon Conversion	\$17.95	FCV48012	US Navy WWII Pt 2	\$13.95
AWC48050	Spitfire PR X Conversion	\$28.95	FCV48014	Luftwaffe WWII Pt 1	\$13.95
AWC48051	Spitfire PR X Conversion	\$28.95	FCV48016	Luftwaffe WWII Pt 2	\$13.95
AWC48058	F-14 Naces Ejection Seat x 2	\$8.95	FCV48031	RAF Fighters WWII Pt 1	\$13.95
AWC48064	Seafire FII (Tamiya)	\$42.95	FCV48032	USAAF WWII Pt 1	\$13.95
AWC48065	Seafire FII w/folded wing (Tamiya)	\$51.95	FCV48033	Japanese Navy WWII Pt 1	\$13.95
AWC48067	Spitfire PR Mk1G (Tamiya)	\$16.95	FCV48034	Japanese Army AF WWII Pt 1	\$13.95
AWC72112	Seafire FII (Airfix)	\$31.95	FCV48035	WWII Fighters Pt 2	\$13.95
AWC72113	Seafire FII w/folded wings	\$31.95	FCV48036	USAAF WWII Pt 2	\$13.95
AWF48059	Fw 190 Pilot 1942-45 (sealed)	\$4.95	FCV72001	US Navy WWII	\$13.95
ASTRA decals			FCV72002	RAF Fighters WWII	\$13.95
ASD3201	USAF F-15C/E Lakenheath	\$18.95	FCV72004	US Navy post WWII	\$13.95
ASD3202	USAF F-15C Spangd/Bittburg	\$17.50	FCV72006	Luftwaffe Fighters WWII	\$13.95
ASD3203	USAF F-16C Spangdahlem	\$13.75	FCV72006	USAAF Fighters WWII	\$13.95
ASD3205	USAF F-15C Reykjavik/Bittburg	\$7.95	FCV72008	RAF Bombers WWII	\$13.95
ASD3206	USAF 24inch Tail Codes Black	\$7.95	FCV72009	Luftwaffe Bombers WWII	\$13.95
ASD4801	USAF F-15C/E Lakenheath	\$12.75	FCV72010	USAAF Bombers WWII	\$13.95
ASD4802	USAF F-15C Spangd/Bittburg	\$10.95	FCV72011	US Navy WWII Pt 2	\$13.95
ASD4803	USAF F-15C Spangdahlem	\$9.50	FCV72013	Japanese Army AF WWII	\$13.95
ASD4804	USAF A-10 Spangdahlem	\$10.50	FCV72015	Luftwaffe WWII Pt 3	\$13.95
ASD4805	USAF F-15C Reykjavik	\$8.95	FCV72017	RAF WWII Pt 3	\$13.95
ASD4810	FAF Mirage 2000 Cambrai	\$17.50	FCV72018	Japanese Navy WWII Pt 1	\$13.95
ASD7202	USAF F-15C Spangd/Bittburg	\$7.95	FCV72019	Fleet Air Arm	\$13.95
ASD7203	USAF F-16C Spangdahlem	\$6.95	FCV72020	Italian AF WWII Pt 1	\$13.95
ASD7204	USAF A-10 Spangdahlem	\$7.95	FCV72021	Luftwaffe WWII Pt 4	\$13.95
ASD7205	USAF F-15C Reykjavik	\$8.25	FCV72022	RAF WWII Pt 4	\$13.95
ASD7210	FAF Mirage 2000 Cambrai	\$13.75	FCV72023	Italian AF WWII Pt 2	\$13.95
BELCHER BITS conversion sets & accessories			FCV72024	USSR WWII Pt 1	\$13.95
BB4802	Sea King Sonobuoy/Fire Chutes	\$5.59	FCV72025	Japanese Navy WWII Pt 2	\$13.95
BB4803	CH-124A Gulf War Mods	\$6.99	FCV72026	French AF Pt 1	\$13.95
BB4804	RCN Avengers	\$20.99	FCV72027	USAAF WWII Pt 3	\$13.95
BB4805	PBY-5A Corrected Tail	\$14.99	FCV72028	Luftwaffe WWII Pt 5	\$13.95
BB4806	PBY-2/3/4 Conversion	\$20.99	KITS AT WAR decals		
BB4807	PBY-6A Conversion	\$17.99	KW482	Spitfire/Seafire/Hurricane	\$7.95
BB4808	Beil 412/CH-146 Griffon Conversion	\$14.99	KW483	Liberator/Mosquito	\$7.95
BB4809	RAF Cookies (2000 & 4000 lb HC Bombs)	\$10.49	KW721	Canberra B2 Pt 1 RAF	\$7.95
BB4810	RAF Super Cookies (8000 & 12000 lb)	\$10.49	KOMMANDEUR decals		
BB4811	RAF 1500lb Mine & 2500lb Depth Charges	\$10.49	KD4805FW	Fw-190A-7/8/9-B/D-9	\$9.00
BB4812	Lancaster Smooth Tread Tires	\$4.99	KD4805BF	Bl 109G-6/10/K	\$9.00
BB7201	CH-124 Gulf War Mods	\$6.99	KD4807FF	Bl 109G-6/10; Fw 190 D-9/F-8	\$9.00
BELCHER BITS decals			KD7201FD	Fw-190D-9/11/13 (3 sheets)	\$24.00
BB4801	Canadian Naval Helicopters	\$5.25	MODEL ART conversion kit		
BB4802	RCAF/CAF Helicopters	\$5.25	MA72001	Fouga CM175 Zephyr Set (Heller)	\$49.95
BB4804	Canadian Harvard Mk II	\$5.99	MA72002	North American F-86-K Sabre Conversion	\$49.95
BB4805	USN SNJ-2, SNJ-6	\$6.99	MA72003	French AF Ground Power Unit (1970+)	\$19.95
BB7203	Canadian Helicopters (BD1 & BD2) 1:72	\$5.99	MODEL ART decals		
BELCHER BITS complete kit			MAD48002	Westland Wyvern S.4; SBD-5 Dauntless; Dewoitine D.520	\$9.75
BBK4802	Sikorsky HO3S (S-51) Kit	\$49.99	MAD48004	British Post-War "D" Type Roundels	\$9.75
BBK4803	BT-14	\$42.00	MAD48005	Gruumman Avenger; Breguet 693	\$9.75
BBK4804	NA-64 Yale	\$42.00	MAD48006	Vought F4U-7 Corsair; Dewoitine D.520; Vought 155F	\$9.75
BLACK BOX resin cockpit sets			MAD48007	Gruumman F6F-5 Hellcat; Douglas C-47	\$9.75
48001	A-6E Intruder	\$16.00	MAD48008	N.A. T-6G; SNJ-4; Bloch MB174	\$9.75
48003	F-14A Tomcat	\$20.00	MAD48009	F-84G Thunderjet/NA Mustang F6C/D	\$9.75
48004	F-15C Eagle	\$16.00	MAD72002	Mirage 2000C; Meteor TT.20, NE.11, F4	\$8.25
48005	F-16C Viper	\$16.00	MAD72018	Fairly Gannet AS.1, ECM.8; Douglas A-26 Invader	\$8.25
CLOUD MASTER decals			MAD72022	France 1938-42 (Roundels & Stripes)	\$8.25
CM144/4	KLM/VIASA Royal Dutch Airlines B747-200	\$6.75	MAD72023	Gruumman Avenger; Supermarine Spitfire	\$8.25
CM144/8	KLM B737-300/400	\$6.75	MAD72026	Hawker Sea Hawk; Gruumman F6F-5	\$8.25
CM72/7	Schreiner Airways DC-3C	\$6.75	MAD72027	Sea Venom; Pilatus P-3; Breguet Alize	\$8.25
COBRA COMPANY resin			MAD72028	Alpha Jet; Pilatus PC-7; Aermacchi AMX	\$8.25
CC32001	AH-1G Cobra	\$18.95	MAD72029	OH Sea Vixen; N.A. T-6G; SNJ-4	\$8.25
CC32002	Huey Seats	\$9.95	MAD72030	Bloch 174/81; Loire 130/NA Mustang F6C/D	\$8.25
CC32003	Rocket Pods	\$9.95	MAD72031	Dassault Alpha Jet; Sea Otter; Gannet AEW3	\$8.25
CC35001	Bell 47 Floats	\$12.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC48003	B-24D Liberator	\$14.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC48001	M-24 Hind Cockpit	\$15.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC48002	MH-60K Details	\$15.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC48003	Blackhawk Seats/Wheels	\$8.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC48004	Seasprite Cockpit	\$14.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC48005	Seasprite Exterior	\$15.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC48006	AH-1W Cockpit	\$14.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC48007	Japanese Rescue Hawk	\$7.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC48008	AH-1T Cockpit (Cobra)	\$14.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC48009	AH-1J Sea Cobra	\$14.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC48010	A-1E Skyraider Cockpit	\$18.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC48011	KA-6 Tanker Conversion	\$19.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC48012	Buddy Pod	\$11.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC48013	F-8 Crusader Backdate	\$35.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC48014	F-8 Landing Gear	\$12.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC48015	Mk-5 Ejection Seats	\$6.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC48016	UH-1N marine Huey	\$15.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC48017	Zuni Rockets	\$14.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC48018	M-24 Hind Exterior	\$14.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC72001	A-1E Control Surfaces	\$8.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC72002	H-34 Choctaw	\$15.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC72003	HJ-5 Wessex	\$15.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC72004	HAS-3 Wessex	\$18.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
CC72005	A-1E Cockpit	\$13.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
DUTCH DECALS			MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
DM144/4	KLM/VIASA Royal Dutch Airlines B747-200	\$6.75	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
DM32002	Spitfire Mk Vb RAF 322 Dutch; P-51D/NBAF122	\$7.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
DM32003	Badges (colour) KLU	\$6.75	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
DM32004	Hunter Mk 45 KLU	\$6.75	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
DM32005	Badges KLU (low visible)	\$6.75	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
DM48015	Badges KLU F-16A-B	\$6.75	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
DM48016	Mitchell II/III 320 Dutch Sq RAF	\$6.75	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
DM48017	B-25C/D/GJ Mitchell RNEAF	\$6.75	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
DM48020	Badges KLU (low visible)	\$6.75	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
DM48021	LVA WAF: Bristol Fighter; Newport 21/23	\$6.75	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
DM4818	Spitfire LF Mk IX LSK Postwar	\$6.75	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
DM4819	F-84G Thunderjet KLU	\$6.75	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
DM72030	Orange Triplane Pt 2	\$7.95	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
DM72031	Badges KLU F-104F-16A-B	\$6.75	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
DM72035	RNeth Navy	\$6.75	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
DM72036	Badges KLU (low visible)	\$6.75	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
DM72037	Spit LF Mk IX/Trainer LSK postwar	\$6.75	MAD72032	F-84G Thunderjet; Sea Otter; Gannet AEW3	\$8.25
DOSP002	RAF Markings Pt 2	\$6.75	MAD720		

US & Canada Order Toll Free 1-877-AVIAUSA (284-2872)

P72049	Lancaster Bulged Bomb Doors for 5,000lb Bomb	\$14.00
P72050	Avro Manchester Conv.	\$52.00
P72051	AVRO Lincoln Conv.	\$52.00
P72052	Lincoln NR31 Nose Extn.	\$8.95
P72053	F-18 Bulged Wheels	\$5.50
P72054	Lancaster Bulged Wheels	\$7.50
P72055	HiAC 1 Looop Paces Pos (RF-4)	\$11.50

PJ PRODUCTIONS

PJ21101	US Modern Pilot	\$11.50
PJ21111	F-104 Access Ladder	\$9.95
PJ21112	"Mirage II" V Access Ladder	\$9.95
PJ481101	Hurricane Mk I Prop	\$2.25
PJ481102	RAF Pilot seated (WWII)	\$5.25
PJ481103	USAF Fighter Pilot seated (WWII)	\$5.25
PJ481104	US Navy Fighter Pilot seated (WWII)	\$5.25
PJ481105	German Fighter Pilot seated (WWII)	\$5.25
PJ481106	Japanese Fighter Pilot seated (WWII)	\$5.25
PJ481107	Hawker Hunter F58 Conversion	\$23.50
PJ481108	Hawker Hunter FR.10 Conversion	\$15.50
PJ481109	Hawker Hunter GA.11 Conversion	\$13.95
PJ481110	USAF Fighter Pilot (seated) Korean War	\$5.25
PJ21009	Gloster Meteor F4 RAF	\$31.00
PJ21006	Gloster Meteor FB RAF	\$31.95
PJ21007	Hawker Hunter FB RAF	\$39.95
PJ21008	Hawker Hunter FB Belgian AF	\$39.95
PJ21009	Gloster Meteor T7 RAF	\$32.95
PJ21010	Gloster Meteor T7 BAF	\$32.95
PJ21101	Helios Hurricane Mk Prop	\$1.95
PJ21103	Mirage 5BR Conversion	\$8.50
PJ21104	Pilots Modern (Standing) x 2	\$3.95
PJ21105	Pilots WWII (seated)	\$3.95
PJ21106	Pilots Modern (Sitting) x 2	\$3.95
PJ21107	Mexor FB Large Air Intakes	\$3.95
PJ21108	Hawker Hunter Conversion	\$16.95

REHEAT MODELS

etched brass & resin accessories and figures

RH001	Aces II Ejection Seat (1:32)	\$12.35
RH002	Seat Buckle/Harness pk. Mod/Vin (1:72)	\$7.25
RH003	Seat Buckle/Harness pk. Mod/Vin (1:48)	\$6.00
RH004	Buckle/Harness Pack Mod/Vin (1:32)	\$6.00
RH005	Modern USAF Fighter Pilot (1:32)	\$11.95
RH007	Modern Luftwaffe Pilot (1:32)	\$20.00
RH008	A/C Instrument Dials; Modern/Vin	\$6.00

RH009	A/C Instrument Dials; Mod/Vin	\$6.00
-------	-------------------------------	--------

RH010	A/C Instrument Dials; Mod/Vin (1:32)	\$6.00
-------	--------------------------------------	--------

RH011	RAF Tornado Crew: 2 figures (1:32)	\$20.00
-------	------------------------------------	---------

RH012	F-104 Starfighter Pilot w/MC.2 pressure suit (1:32)	\$11.95
-------	---	---------

RH013	F-14 Tomcat Crew: 2 figures (1:32)	\$20.00
-------	------------------------------------	---------

RH014	RAF Harrier Pilot w/MC gear (1:32)	\$11.95
-------	------------------------------------	---------

RH015	F-86 Sabre Pilot; USAF Korea (1:32)	\$11.95
-------	-------------------------------------	---------

RH016	Instrument Bezel; Mod/Vin (1:48)	\$7.25
-------	----------------------------------	--------

RH017	Instrument Bezel; Mod/Vin (1:32)	\$7.25
-------	----------------------------------	--------

RH018	Instrument Bezel; Mod/Vin (1:72)	\$7.25
-------	----------------------------------	--------

RH019	Instrument Bezel; Mod/Vin (1:48)	\$7.25
-------	----------------------------------	--------

RH020	Instrument Bezel; Mod/Vin (1:32)	\$7.25
-------	----------------------------------	--------

RH021	Instrument Bezel; Mod/Vin (1:72)	\$7.25
-------	----------------------------------	--------

RH022	Instrument Bezel; Mod/Vin (1:48)	\$7.25
-------	----------------------------------	--------

RH023	Instrument Bezel; Mod/Vin (1:32)	\$7.25
-------	----------------------------------	--------

RH024	Instrument Bezel; Mod/Vin (1:72)	\$7.25
-------	----------------------------------	--------

RH025	Instrument Bezel; Mod/Vin (1:48)	\$7.25
-------	----------------------------------	--------

RH026	Instrument Bezel; Mod/Vin (1:32)	\$7.25
-------	----------------------------------	--------

RH027	Instrument Bezel; Mod/Vin (1:72)	\$7.25
-------	----------------------------------	--------

RH028	Instrument Bezel; Mod/Vin (1:48)	\$7.25
-------	----------------------------------	--------

RH029	Instrument Bezel; Mod/Vin (1:32)	\$7.25
-------	----------------------------------	--------

RH030	Instrument Bezel; Mod/Vin (1:72)	\$7.25
-------	----------------------------------	--------

RH031	Instrument Bezel; Mod/Vin (1:48)	\$7.25
-------	----------------------------------	--------

RH032	Instrument Bezel; Mod/Vin (1:32)	\$7.25
-------	----------------------------------	--------

RH033	Instrument Bezel; Mod/Vin (1:72)	\$7.25
-------	----------------------------------	--------

RH034	Instrument Bezel; Mod/Vin (1:48)	\$7.25
-------	----------------------------------	--------

RH035	Instrument Bezel; Mod/Vin (1:32)	\$7.25
-------	----------------------------------	--------

RH036	Instrument Bezel; Mod/Vin (1:72)	\$7.25
-------	----------------------------------	--------

RH037	Instrument Bezel; Mod/Vin (1:48)	\$7.25
-------	----------------------------------	--------

RH038	Instrument Bezel; Mod/Vin (1:32)	\$7.25
-------	----------------------------------	--------

RH039	Instrument Bezel; Mod/Vin (1:72)	\$7.25
-------	----------------------------------	--------

RH040	Instrument Bezel; Mod/Vin (1:48)	\$7.25
-------	----------------------------------	--------

RH041	Instrument Bezel; Mod/Vin (1:32)	\$7.25
-------	----------------------------------	--------

RH042	Instrument Bezel; Mod/Vin (1:72)	\$7.25
-------	----------------------------------	--------

RH043	Instrument Bezel; Mod/Vin (1:48)	\$7.25
-------	----------------------------------	--------

RH044	Instrument Bezel; Mod/Vin (1:32)	\$7.25
-------	----------------------------------	--------

RH045	Instrument Bezel; Mod/Vin (1:72)	\$7.25
-------	----------------------------------	--------

RH046	Instrument Bezel; Mod/Vin (1:48)	\$7.25
-------	----------------------------------	--------

RH047	Instrument Bezel; Mod/Vin (1:32)	\$7.25
-------	----------------------------------	--------

RH048	Instrument Bezel; Mod/Vin (1:72)	\$7.25
-------	----------------------------------	--------

RH049	Instrument Bezel; Mod/Vin (1:48)	\$7.25
-------	----------------------------------	--------

RH050	Instrument Bezel; Mod/Vin (1:32)	\$7.25
-------	----------------------------------	--------

RH051	Instrument Bezel; Mod/Vin (1:72)	\$7.25
-------	----------------------------------	--------

RH158	Aircraft Canopy Mirrors (1:32)	\$8.75
RH159	Ejection Seat Activators (1:72)	\$8.25
RH160	Ejection Seat Activators (1:48)	\$8.75
RH161	Ejection Seat Activators (1:32)	\$10.00
RH162	Cockpit Circuit Breaker Panels (1:72)	\$8.25
RH163	Cockpit Circuit Breaker Panels (1:48)	\$8.75
RH164	Cockpit Circuit Breaker Panels (1:32)	\$10.00
RH165	Aircraft Canopy Breakers (1:72)	\$8.25
RH166	Aircraft Canopy Breakers (1:48)	\$8.75
RH167	Aircraft Canopy Breakers (1:32)	\$10.00
RH168	Ejection Seat Guide Rails (1:72)	\$8.25
RH169	Ejection Seat Guide Rails (1:48)	\$11.00
RH170	Ejection Seat Guide Rails (1:32)	\$11.95
RH171	Vintage Cockpit Details (1:72)	\$8.25
RH172	Vintage Cockpit Details (1:48)	\$8.75
RH173	Vintage Cockpit Details (1:32)	\$8.75
RH174	Aircraft Placard Holders & Clipboards (1:72)	\$8.25
RH175	Aircraft Placard Holders & Clipboards (1:48)	\$8.25
RH176	Aircraft Placard Holders & Clipboards (1:32)	\$8.75
RH177	Modern Cockpit Details (1:48)	\$8.25
RH178	Modern Cockpit Details (1:48)	\$8.75
RH179	Modern Cockpit Details (1:32)	\$8.75

REHEAT MODELS 120mm resin figures

RH039	SR-71 Space Shuttle Pilot	\$44.00
RH041	Sir Francis Drake (105mm)	\$29.50
RH054	British Drummer 1747	\$58.00
RH055	Standing Horse	\$46.00
RH060	Buccaneer	\$42.00
RH061	F-101 Voodoo Pilot w/Falcon Missile	\$48.00
RH067	Court Jester Bust	\$17.00
RH068	Confederate Cavalry Major	\$53.00
RH069	Court Jester	\$42.00
RH104	Buzz Aldrin Apollo 11 Astronaut	\$48.00
RH105	Litton Mk 1 Lunar Suit	\$39.00
RH123	Litton RX2 Space Suit "experimental"	\$39.00
RH145	USAAF P-38 Pilot ETO 1944	\$48.00
RH146	Luftwaffe Instructor Pilot	\$48.00
RH147	Soviet Lunar Suit	\$44.00
RH150	Nell Armstrong Apollo 11 Astronaut	\$48.00
RH144	Deep Sea Diver w/cat	\$48.00
RH151	The Lawman	\$48.00
RH153	Alan Shepard, Jr.	\$48.00
RH154	Lord Admiral Nelson 1758-1805	\$48.00
RH155	French Negro Sailor - 1810	\$48.00
RH180	Ned Kelly - Australian Outlaw 1855-1880	\$40.00

REPLIC MAGAZINE French text, colour photos

REPLIC99	July 99: Breguet XIV, B1 109K-4, MS 225, Heinz Bretnutz	\$8.95
----------	---	--------

June 99:	Bradenburg W.29, MB 155, Heinz Bretnutz, UH-1 D Huey	\$8.95
----------	--	--------

May 99:	SE 210 Caravelle, AMD Rolane, MB 152 C1	\$8.95
---------	---	--------

April 99:	UN 411, MS 406, Douglas AD-4 N	\$8.95
-----------	--------------------------------	--------

March 99:	Spitfire Mk IX, Saab J 35 Draken, Ju 52 3m	\$8.95
-----------	--	--------

Feb 99:	B6N2 Tenzan J1F, Iai Khr C7, Fiat G-55 Centauro	\$8.95
---------	---	--------

Jan 99:	Yak-3, Fieseler "Storch" & MS 502 "Crique", Tupolev SB-2M	\$8.95
---------	---	--------

Aug 99:	F-84G, BV141A, Westland Whirlwind	\$8.95
---------	-----------------------------------	--------

Sept 99:	Hurricane Mk I, H-21, K-84	\$8.95
----------	----------------------------	--------

Oct 99:	ABM2 N 236, Fw Ta 152, Mos B Mk IV, D 501	\$8.95
---------	---	--------

Nov 99:	Harriet 2, An-2, Ta 154, A-0	\$8.95
---------	------------------------------	--------

Dec 99:	B-17, F-104 G, Concordo, Swordfish, Strutter 1x	\$8.95
---------	---	--------

TAURO MODELS decals

TM48501	MC200/B108/Ju87/Fiat CR32 Inseg RA	\$6.75
TM48502	B109/Fiat G55/SM 79 Inseg ANR	\$6.75
TM48504	MB326/Fiat G91R/T33/T6/F84F AMI Badg	\$6.75
TM48506	F104/MB326/Fiat G91R/G91T/F86E/Tornado	\$6.75
TM48508	Roundels AMI	\$5.50
TM48509	F104/Fiat G91/Tornado AMI Badges	\$6.75
TM48510	Fw190/Ju87B-D Luft Nazi Inseg	\$6.75
TM48512	F104/Fiat G91R Serials & Codes AMI	\$5.50
TM48513	P-51D Flugwaffe; RAF	\$6.75
TM48516	MB326 A/E/Tornado Data Stencil	\$6.75
TM48517	AB205/UH-1H/AB206 Jet Ranger/Hughes	\$5.50
TM48518	500/SH34 Sq Numbers Italian Army	\$5.50
TM48519	Fiat G91R/G91T/F86E Data Stencil	\$6.75
TM48520	SM-79 Inseg RA	\$6.75
TM48521	F104/G91R/F86E Serials & Codes AMI	\$5.50
TM48522	F86/MB326/F104/G91T/C47/T33 Sq Badg AMI	\$6.75
TM48523	Fiat G-91R AMI Commemorative	\$6.75
TM48524	Fiat G-55/B109/SM79 Sq Badg ANR	\$6.75
TM48525	SM79/Fiat CR42/G55/B110 Sq Badg RA	\$6.75
TM48526	T33/T6/F84F Serials AMI	\$5.50
TM48527	Ju87B Stuka Luft Serials & Sq Badg RA	\$6.75
TM48528	F84F/F86E/T33/T33A/P51/P47 Roundels AMI	\$5.50
TM48529	F104 Low Vis/OC3/C130H/P38/Spl MkX	\$5.50

TM48530	Roundels AMI	\$5.50
---------	--------------	--------

TM48532	Fiat G91R/F86E Freccia Tricolor	\$6.75
---------	---------------------------------	--------

TM48533	F-86E Pattuglia Acrobati/Getti Tomati/Lancel	\$6.75
---------	--	--------

TM48534	Neri/Cavallino Rampante	\$6.75
---------	-------------------------	--------

TM48535	P-47D USAAF; RAF	\$6.75
---------	------------------	--------

TM48536	F-104 Data Stencil AMI	\$12.95
---------	------------------------	---------

TM48537	T33/T6/F84F Serials & Sq Nos AMI	\$5.50
---------	----------------------------------	--------

TM48538	C130H/T6/F84F Serials & Sq Nos AMI	\$5.50
---------	------------------------------------	--------

TM48539	Fiat G55/Ju87/B109/RE2003/2001 Inseg RA	\$6.75
---------	---	--------

TM48540	P39/MC200/202/205/SM79/Spl Mk V Sq Badg. Roundels;	\$6.75
---------	--	--------

TM48541	Serials & Sq Nos Aeronautica Cobelligerante	\$6.75
---------	---	--------

TM48542	F104 G Luft Post-War Anniversary	\$6.75
---------	----------------------------------	--------

TM48543	"SB2C Helldiver/F84F Scritte Serials & Sq Nos AMI,	\$6.75
---------	--	--------

TM48544	F-104/Tornado Luft Post-War Anniversary	\$6.75
---------	---	--------

TM48545	T33 USAF/Luftwaffe de l'Air	\$6.75
---------	-----------------------------	--------

TM48546	P51B/C USAAF/P51D AMI	\$6.75
---------	-----------------------	--------

TM48547	"Av88 Italian Navy/Blank Sq Badg.Nos.Serial AMI"	\$6.75
---------	--	--------

TM48548	F104 Commem. Foglio Doppio	\$12.95
---------	----------------------------	---------

TM48549	AB205/UH-1H/AB206 Jet Ranger/Hughes	\$6.75
---------	-------------------------------------	--------

TM48550	500/SH34 Sq Badg Italian Army Stencil	\$6.75
---------	---------------------------------------	--------

TM48551	T6 Texan/Harvard/F84F Serials & Sq Nos	\$5.50
---------	--	--------

TM48552	F104 Commem AMI	\$6.75
---------	-----------------	--------

TM48558	"P38 USAAF, Luft, AMI"	\$6.75
TM48559	"B465/Fiat CR42/G55/SM79 Sq Badg.Nos.Serials RA"	\$6.75
TM48560	F4U Corsair VMA 323/VMTF 20	\$6.75
TM48561	"AB206 Jet Ranger/SH3D Italian Navy Sq Badg,	\$6.75
TM48562	Inseg VV FF"	\$6.75
TM48563	"AB206 Jet Ranger/SH3D Sq Badg Inseg PS"	\$6.75
TM48564	B1109E/F/G Data Stenciling	\$6.75
TM48565	Fiat G50/SM79 Data Stenciling	\$6.75
TM48566	"DS2Q/Fiat G50/RE2001 Inseg Sq Badg RA"	\$7.50

TM72501	Fiat G.91R/T; Tornado Roundels AMI	\$5.50
---------	------------------------------------	--------

TM72502	Fiat G.91R/Tornado Sq #/Serials AMI	\$5.50
---------	-------------------------------------	--------

TM72503	Fiat CR.32/Ju 87/Re.2000,2001 Insegne RA	\$6.75
---------	--	--------

TM72504	Fw 190A-F/BF 109 Luft Crocette & Swastikas	\$6.75
---------	--	--------

TM72505	F-84G Pattuglia Acrobati; MB339	\$12.95
---------	---------------------------------	---------

TM72506	Fiat G.91R/T; Tornado Sq Badges AMI	\$6.75
---------	-------------------------------------	--------

TM72507	Fiat G.50/MC.202 Insegne RAF/ASCI	\$6.75
---------	-----------------------------------	--------

TM72508	Tornado Sq Badges TTTE	\$6.75
---------	------------------------	--------

TM72509	Caproni CA.311,313,314; SM.79 Inseg RA	\$6.75
---------	--	--------

TM72510	MB.326/F-86E/Tornado Data Stenciling	\$6.75
---------	--------------------------------------	--------

TM72511	Fiat BR.20/Ro.37/SM.79 Badges #/sRA	\$6.75
---------	-------------------------------------	--------



EAGLE STRIKE productions

The company that has not forgotten 1/72 and 1/32 scale aircraft modellers!

NOW AVAILABLE:



1/72 Scale

72001	European Thunderbolts Pt. I	\$6.00
72002	Home Defense Focke Wulf Fw 190s	\$6.00
72003	Mustang Fighters	\$6.00
72004	S.E. Asia Skyraiders (US)	\$6.00
72005	Crusaders Pt. I	\$6.00
72006	Fleet Air Arm Pt. I (UK)	\$6.00
72007	Me 262 Stormbirds (two seaters)	\$6.00
72008	Mosquito Fighters	\$6.00
72009	Typhoon Intruders	\$6.00
72010	Spitfires Mk. V, VIII & IX	\$6.00
72011	Mustang Fighters Pt. II	\$6.00
72012	Bf 109 F/G Pt. I	\$6.00
72013	Pacific Corsairs	\$6.00 (Jan)
72014	Defenders of the Fatherland (late Bf.109s)	\$6.00 (Feb)
72015	Battle of Britain Emils (Bf.109Es)	\$6.00 (Mar)
72016	European Thunderbolts Pt. II (P-47Ds)	\$7.00 (Jan)
72017	Phantoms Phorever Pt. II (Navy F-4s)	\$7.00 (Feb)
72018	Hornets of the Fleet Pt. I (A/F-18 A/Cs) 2 shts	\$8.50 (Jan)
72019	Hornets of the Fleet Pt. II (A/F-18 A/Cs) 2 shts	\$8.50 (Jan)
72020	Phantoms Phorever Pt. II (Navy F-4s)	\$7.50 (Feb)
72021	Kosovo Eagles (F-15s)	\$6.00 (Mar)
72022	RAF Tempests	\$7.00 (Jan)

1/32 Scale

32001	Battle of Britain Campaign Bf 109 Pt. I	\$6.00
32002	Pacific Mustang Pt. I	\$6.00
32003	Pacific Mustang Pt. II	\$6.00

32004	Eagle Squadron Spitfires Mk. V	\$6.00
32005	Screaming Eagles Pt. I	\$6.00
32006	Marauding Typhoons	\$6.00
32007	Korean Aces F-86 Sabrejets	\$7.00
32008	Pacific Corsairs	\$6.00
32009	Hurricane Fighters	\$7.00
32010	Vietnam Warriors F4E Pt. I	\$6.00
32011	Vietnam Warriors F4E Pt. II	\$6.00
32012	F6F Hellcat Aces Pt. I	\$8.50
32013	Fw190 A8 Fighters Pt. I	\$7.00
32014	Curtiss Fighters, P40s Pt.I (2 sheets)	\$9.50 (Jan)
32015	Wildcats at War (F4Fs) 2 sheets	\$10.50 (Jan)
32016	Kosovo Eagles (F15s)	\$6.00 (Feb)
32017	Me262 Stormbirds (single seaters)	TBA (Feb)
32018	Mitsubishi Zero-Zen	TBA (Feb)

1/48 Scale

48001	Phantoms Phorever Pt. I (Navy F-4s) 2 shts	\$9.00	(Feb)
48002	Hornets of the Fleet Pt. I (A/F-18 A/Cs) 3 shts	\$12.00	(Jan)
48003	Hornets of the Fleet Pt. II (A/F-18 A/Cs) 3 shts	\$12.00	(Jan)
(48002/3 complete with stencils)			
48004	Phantoms Phorever Pt. II (Navy F-4s) 2 shts	\$9.00	(Feb)
48005	Kosovo Eagles (F-15s)	\$6.00	(Mar)



Available worldwide from better distributors, retail and catalog mail order houses.

For information contact: 2025 S.W. 22 Terrace • Miami, FL 33145 • U.S.A. • fax (305) 285-7219

UK Dealers contact: Athena Books at Fax: 01302 730531 • Tel: 01302 322913 Hannants at Fax: 01502 500521 • Tel: 01502 517444

Access

SCOTLAND'S LEADING MODEL SHOP - WORLDWIDE FAST MAIL ORDER SERVICE

WONDERLAND MODELS

(Dept Aviation '99)

VISA

97-101 LOTHIAN ROAD, EDINBURGH EH3 9AN. TELEPHONE: 0131-229-6428 FAX: 0131-229-7625

MasterCard

NEW TAMIYA						****REVELL MASSIVE SALE 3****		AERIX 1:48				
TAMIYA 2000 CATALOGUE	3.75								LIGHTNING F147S	21.99	NOW	16.99
1:32 MOSQUITO B MK IV	17.99								LIGHTNING F5A76	21.99	NOW	16.99
1:32 F-15J EAGLE JASDF	89.99								TORNADO GR1B	17.99	NOW	13.99
1:32 F-4J PHANTOM II	89.99								BUCCHERINI S28	17.99	NOW	15.99
1:48 F4U-7A CORSAIR	19.99								BUCCHERINI	17.99	NOW	15.99
1:72 MOSQUITO MKVAF MK II A	14.99								SEAFIRE	14.99	NOW	10.99
FURRY SHORFISH FLOATPLANE A	44.99								SPITFIRE F22	14.99	NOW	10.99
SHORFISH FLOATPLANE ETCH PART	9.99								JASDF	14.99	NOW	7.99
TAMIYA MASSIVE SALE1												
1:32												
F-4D PHANTOM II	75.99	NOW	39.99									
F-15 F	75.99	NOW	39.99									
F-14 A TOMCAT	84.99	NOW	39.99									
F-15 C	75.99	NOW	39.99									
F-4 J	69.99	NOW	39.99									
1:48												
METRO F-1	17.99	NOW	9.99									
F-4D-1 SKYWAY	15.99	NOW	9.99									
BF 109E 4/7 TROP	15.99	NOW	7.99									
SEAFOIGHTER R/V	17.99	NOW	9.99									
HYAKUSHIRO RECON	18.99	NOW	9.99									
MOSQUITO FB MK II	18.99	NOW	9.99									
SEA HARRIER	10.99	NOW	9.99									
B. BUFFALO	14.99	NOW	11.99									
P-51 B MUSTANG	14.99	NOW	11.99									
P-51 D KOREAN	14.99	NOW	11.99									
F4U-12 CORSAIR	14.99	NOW	11.99									
RAF MUSTANG II	14.99	NOW	11.99									
DEWITTINE D520	14.99	NOW	11.99									
BF 109 E3	14.99	NOW	11.99									
SPITFIRE MK I	15.99	NOW	12.99									
SPITFIRE V B	15.99	NOW	12.99									
F-4E WILDCAT	15.99	NOW	12.99									
SPITFIRE MK V TROP	15.99	NOW	12.99									
FW 190 AS	15.99	NOW	12.99									
FW 190 FB	15.99	NOW	12.99									
P-51 D MUSTANG	15.99	NOW	12.99									
FW 190 D9	15.99	NOW	12.99									
MSA1 SERAN	17.99	NOW	7.99									
SHITEN III KAI	15.99	NOW	12.99									
SKYRAIDER AGO A1H	15.99	NOW	12.99									
F-94D THUNDERJET	15.99	NOW	9.99									
F4U-1D CORSAIR	15.99	NOW	9.99									
SEAFOIGHTER MKV	17.99	NOW	14.99									
A-10 THUNDERBOLT	28.99	NOW	16.99									
F-16 C EAGLE	28.99	NOW	16.99									
JASDF F-15J	28.99	NOW	16.99									
HE 219 UHU	22.99	NOW	10.99									
F-117 NIGHTHAWK	28.99	NOW	17.99									
ISSHOKIRIKO Z	28.99	NOW	16.99									
FURRY SHORFISH	34.99											
SHORFISH PHOTO ETCH SET	7.99											
Postal Rates												
Minimum order.....		£5.00										
Up To £15.00.....		£2.00										
Up To £40.00.....		£3.50										
Over £40.00.....		FREE										
OVERSEAS POSTED AT COST POSTAGE												
WE CAN NOW OFFER AN OVERNIGHT DELIVERY												
SERVICE FOR AN ADDITIONAL FEE (UK ONLY).												
1:32												
BELL X-1	0.99	NOW	6.99									
F4U-1 SKYWAY	0.99	NOW	3.99									
R44B THUNDERJET	0.99	NOW	7.29									
TYPE D PETE	0.99	NOW	7.99									
1:48												
SPACE SHUTTLE	29.99	NOW	12.99									
F-52	25.99	NOW	14.99									
AMT/REVELL 1:32												
F-52 H	27.99	NOW	14.99									
1:48 MIG 27 FLOGGER D	6.99											
1:48 F-18 HORNET	6.99											
1:48 DELTA MIRAGE	6.99											
1:48 TORNADO IDS	6.99											
1:72 STRIKE FIGHTER TORNADO	7.99											
1:72 HARRIER GR 5	7.99											
1:72												
1:72 SARRACUSIA MK2	6.99											
1:72 McDONNELL PHANTOM RH	15.99											
1:72 SEVERSKY P-35A	6.75											
1:72 Bf 109 V1	1.50											
1:72 Bf 109 G-12	7.99											
1:72 HAWARD ANACOR HAZDS	6.99											
1:72 HENKEL HE100	6.99											
SPECIAL ORDER												
1:72 LH-12	6.99											
1:72 HUGHES TH-55A	6.99											
1:72 LOCKHEED M20 10 ELECTRA	11.99											
1:72 EDWARDS (V2 VARIANT)	9.99											
1:72 EDWARDS (V2 VARIANT)	9.99											
1:72 SACK AS-6V1	6.75											
1:72 ROCKE-WOLF PI	9.99											
1:72 BLOHM VOSS P212.03	9.99											
1:72 ME262 THREE SEATER	9.99											
1:72 BLOHM VOSS P211	9.99											
1:48 SIKORSKO R-40	12.99											
1:48 RUTHERFORD R-40	12.99											
1:48 ARADO AR 96	12.99											
NEW HASEGAWA												
YEAR 2000 COLOUR CATALOGUE	3.75											
1:32 A-4E SKYHAWK "TOPGUN"	25.99											
1:48 F4U-7A CORSAIR	17.99											
1:48 MESS. BF 109T	21.99											
1:48 F-14A TOMCAT "LANTERN"	29.99											
1:72 F-117A NIGHTHAWK	9.99											
1:72 MESS. V-10 WYOMING BOMB	17.99											
1:250 E-767 AWACS	13.99											
HASEGAWA 1:32												
SPITFIRE MKV	15.99											
ROCKE-WOLF FW190	15.99											
K-43-1 OSCAR	15.99											
BF 109 E	15.99											
RF-51 HELLCAT	25.99											
F-5E TIGER II	29.99											
HASEGAWA 1:48												
NAVALIA F SEAPLANE 902	17.99											
HURRICANE MK1 TROP	15.99											
MESSERSCHMITT BF109 G-6	15.99											
KANASAKI T-4 JASDF	14.99											
SEAKING VP TRANSPORTER	28.99											
P-51D PACIFIC MUSTANG	14.99											
P-47D 47TH FSQ	15.99											
BF109G-10	14.99											
PHANTOM FGR2	15.99											
PHANTOM FGR1	15.99											
F-15C EAGLE	15.99											
BA-100 G-6 JASDF	14.99											
JUB7 B-2 WING FOD SUPER DETAIL	28.99											
TYPHOON MK16 SUPER DETAIL												
AJ-870-4 TORPEDO FUGGER	29.99											
BOMB JILL TYPE 12	19.99											
BOMB WY 250 KG BOMB	19.99											
SPITFIRE MK V B RED STAR	14.99											
HASEGAWA 1:32												
MACH C-202 (EARLY)	9.99											
PW180 A SPECIAL	9.99											
J-360 DRAGON AIR SUPERIOR	9.99											
MOSQUITO FB MKVI	10.99											
K-44 TQ44 40MM CANNON K-44	7.50											
MOSQUITO B MK V	9.99											
ACADEMY												
1:48 F3E PROTECTOR	14.99	NOW	6.99									
1:48 F117A STEALTH	14.99											
1:48 F4U-1D CORSAIR	11.99											
1:72 BOEING STRATOCRUISER PMA	28.99											
1:72 P4SE WARRIOR	4.99											
1:72 A37B BLACK EAGLE	1.50											
1:144 SUGS PITTER	1.50											
1:144 SUGS PROOFPOOT	1.50											
1:144 MIG 29 FLOGGER	1.50											
1:144 MIG 29 FLOGGER	1.50											
A-MODEL												
1:72 SUGS ACROBAT	6.99											
1:72 PITTS SPECIAL	6.99											
1:72 J2M3 JALINER	7.50											
1:72 KA-60 (DAIKIN)	10.50											
1:72 YAK 10	7.50											
1:72 BERIEV BE-2	7.50											
1:72 MIL M-2	5.99											
1:72 MIG 8	5.99											
1:72 RUTEN VONAGER	7.50											
NEW JALINER												
1:72 JAS-33A GRIPEN	6.50											
GRAND 1:32												
GRAND ME 321	24.99	NOW	16.99									
A-129 MANGUSTA	3.99											
KA-52 ALLIGATOR	5.99											
JAS 33A GRIPEN	5.99											
NEW DRAGON												
1:48 MIG 29 A1 FLYING WING	17.99											
1:48 MESS. A1A INTERCEPT	17.99											
DRAGON 1:48												
HE219A-2	21.99	NOW	16.99									
ME109S-1	28.99	NOW	22.99									
SHANGHAI DRAGON 1:32												
HEKEL HE 219 A-2 UHU	21.00											
DO335 B-E AIRWING	21.00											
SHANGHAI DRAGON 1:48												
HO229 A1 FLYING WING	19.99											
ME262 A1A INTERCEPT	19.99											
ACCURATE MODELS 1:48												
B-25 B DOOLITTLE RAID	49.99											
B-25 C AIR ARCHIE	49.99											
B-25G CANNON NOSE	49.99											
NEW REVELL												
1:48 ROCKE WOLF FW 190 D-11	10.99											
1:48 ROCKWELL B1-B BOMBER	39.99											
1:72 MESSERSCHMITT ME 262 RECON	3.99											
1:72 F-14A TOMCAT	9.99											
1:72 DORMER DO335 A-1	7.99											
1:72 BELL 412 KLU "SAR"	9.99											
1:72 GRUMMAN A-6 E TRAM TURDE	10.99											
1:72 F-4F PHANTOM II	9.99											
1:144 GRAMPAN A-66 ORIONION	12.99											
REVELL 1:32												
BOEING AWACS	29.99	NOW	22.99									
LANCASTER BH	17.99	NOW	12.99									
STURLING 549B	14.99	NOW	10.99									
****REVELL MASSIVE SALE 4****												
REVELL 1:32												
ARBUS A321 (LUFTHANSA)	12.99											
REVELL 1:32												
D-47 CRACKER	14.99	NOW	10.99									
LANCASTER MK1	12.99	NOW	9.99									
B-17F F FORTRESS	12.99	NOW	9.99									
HE-53 E 3 STALLION	12.99	NOW	9.99									
SU-26/32 PI	9.99	NOW	7.99									
JUNKERS JU 52 3M	9.99	NOW	7.99									
A-10 THUNDERBOLT	9.99	NOW	7.99									
ARADO E555	9.99	NOW	7.99									
ARADO AR 240 C-2	9.99	NOW	6.99									
HEKEL HE-111 H4	9.99	NOW	6.99									
SIGORSKY SEA KING	9.99	NOW	6.99									
MIG-29 BULBORN	9.99	NOW	6.99									
SEA WING F4U MK 2	9.99	NOW	6.99									
EUROFIGHTER 2000	9.99	NOW	6.99									
HEKEL HE-115 C-1	9.99	NOW	6.99									
F-104 G STARFIGHTER	9.99	NOW	6.99									
REVELL 1:48												
TORNADO IDS	26.99	NOW	23.99									
TORNADO GR1 RAF	26.99	NOW	23.99									
F-14 TOMCAT	26.99	NOW	23.99									
MCD F-4F PHANTOM	26.99	NOW	23.99									
HUNTER PG48 T50	26.99	NOW	21.99									
F-16 F FALCON	19.99	NOW	14.99									
F-104G	14.99	NOW	10.99									
LYSANDER	14.99	NOW	10.99									
DAUNTLESS	14.99	NOW	10.99									
JUNKERS JU-67E	12.99	NOW	9.99									
1:32 FOLDORF/ROSE	12.99											
REVELL 1:48												
JUNKERS JU52	34.99	NOW	26.99									
POW-SA CATALINA	24.99	NOW	16.99									
ME 110 G-4	22.99	NOW	17.99									
SS-3C HELLDIVER	22.99	NOW	17.99									
G-47 BEUFER AIRLIFT	22.99	NOW	17.99									
JUNKERS JU86	22.99	NOW	17.99									
ME 410	22.99	NOW	17.99									
ROCKE WOLF T-4 TEA	24.99	NOW	19.99									
R44B THUNDERJET	14.99	NOW	10.99									
ROCKE WOLF 1937B	14.99	NOW	10.99									
P18A TIGERMEET	14.99	NOW	10.99									
RAAFLE M	14.99	NOW	10.99									
MESS. ALA	12.99	NOW	9.99									
F-14A BLACK TOWCAT	12.99	NOW	9.99									
F-84D THUNDERJET	12.99	NOW	9.99									
NEW ARRIX												
1:72 ASTRONAUTS	3.99											
1:72 LUNAR MODULE	5.99											
1:72 SAGE AJ-267 WIGGEN	2.99											
1:72 HENSEL HE125A1	2.99											
1:72 RAF PERSONNEL	2.99											
1:72 NATO GROUND CREW	2.99											
1:72 MESSERSCHMITT BF 109E	2.99											
1:72 JUNKERS JU-67E STUKA	2.99											
1:144 SATURN V	51.99											
1:144 ORION SPACECRAFT	11.99											
1:144 F-104 STARFIGHTER	2.99											
1:144 SPRING SHUTTLE	24.99											
VED 54ST LUNAR MODULE	5.99											
8 OF 8 MEMORIAL FLIGHT	14.99											
****REVELL MASSIVE SALE 5****												
ARRIX 1:32												
BOEING												

J. Rutman

This is an American manufacturer who produces a number of resin updates from vac-formed kits in the Combat Models range. Some of the more recent of these, along with some updates for injection moulded kit's have been passed directly to us for review.

1/32nd Scale

Subject: Heinkel He 219

Scale: 1/32nd

Product No.: N/A

Type: Update Set

Designed for: Combat Models kit

Parts: 40 Resin, 7 White Metal, 30 Etched Brass

Price: \$42.95 (+ Shipping)

Includes: Complete new cockpit interior, main & nose wheels, spinners & propeller blades and replacement engine front (resin). Also includes main undercarriage and nose oleo legs and radar antenna supports (white metal), with seat belt buckles and rudder pedals in etched brass.

Subject: Me 262A

Scale: 1/32nd

Product No.: N/A

Type: Cockpit Detail Set

Designed for: Revell or Hasegawa kits

Parts: 7 Resin, 16 Etched

Price: \$22.95 (+ Shipping)

Includes: Complete cockpit 'tub' instrument panel, control column, seat back, Revi gunsight and rear (canopy) decking (resin), rudder pedals and seat belt buckles (etched brass).

Subject: Fw 190D-9

Scale: 1/32nd

Product No.: N/A

Type: Correction Set

Designed for: Revell or Hasegawa kits

Parts: 9 Resin

Price: \$17.95 (+ Shipping)

Includes: Replacement wheel well insert (including centre 'plumbing'), revised lower front panel, cannon barrels, wheel well ribs (x2) and undercarriage jacks (x2).

Conclusion

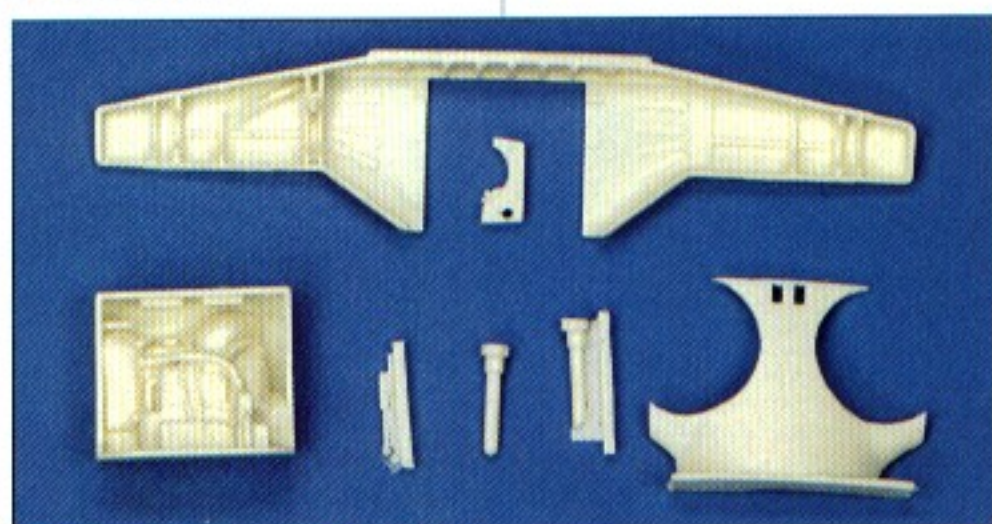
Each set is well cast with no air bubbles visible and a great deal of detail. The inclusion of etched components is an added bonus and each set will certainly do a great deal for its intended subject.

Our thanks to J. Rutman for the review samples.

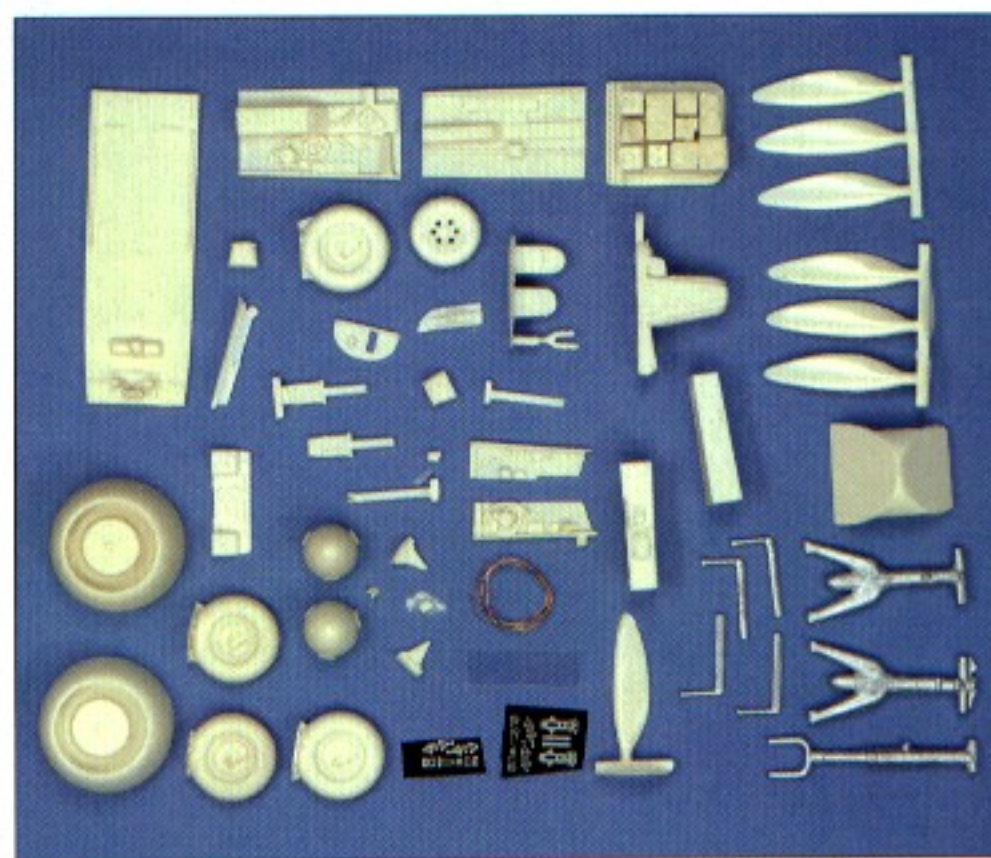
Worldwide Enquiries: J. Rutman



The Me 262A cockpit update set



The Fw 190D-9 wheel well update & correction set



The He 219 upgrade set

Neomega

Another new resin update set has just been produced by Neomega and a sample has been passed to us by Parade Figures.



C4812

1/48th Scale

Subject: E.E. Lightning F Mk 6

Scale: 1/48th

Product No.: C4812

Type: Cockpit Update Set

Designed for: Airfix kit

Parts: 12 Resin

Price: £11.50 (+£1 P&P)

Includes: New cockpit tub, sidewall, ejection seat, instrument panel, rear bulkhead and decking, instrument panel combing, control column and canopy jack.

Conclusion

The level and finesse of the detail in this set has to be seen to be fully appreciated. The smallest of details are sharp and the overall finish of each piece cannot be faulted. This is certainly one set all Lightning fans will want to have.

Our thanks to Parade Figures for the review sample.

WingMan

To supplement their excellent new decals (see review elsewhere) this Swedish manufacturer has also produced a resin propeller for the J.30 Mosquito, and a sample of this has been passed directly to us for review.

1/48th Scale

Subject: J.30 Mosquito

Scale: 1/48th

Product No.: 48002

Type: Accessory

Designed for: Tamiya or Airfix kits

Parts: 12 Resin

Price: 69 Krona (approx £5)

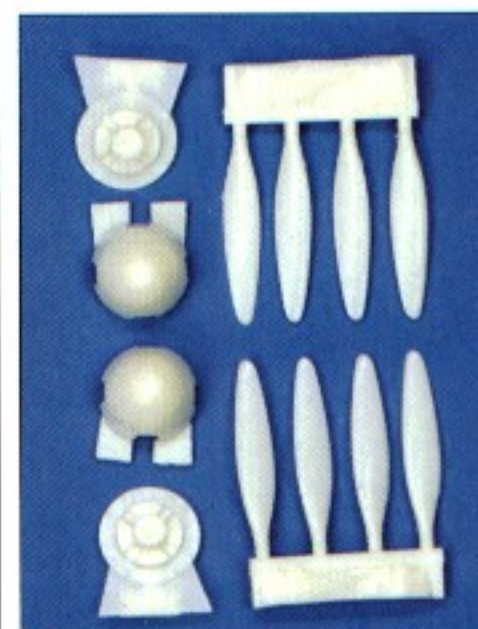
Includes: Separate propeller blades (x8), spinners and backplates.

Conclusion

This set can be used with the Airfix kit along with Paragon's Universal Radome (#4843), or with the Tamiya kit. This latter kit will be the subject of a Universal Radome conversion set from Wing Man in

the very near future, so if you couple this with their excellent decals, at last you can easily make one of Sweden's J.30s.

Our thanks to WingMan for the review sample. Examples can be obtained in the UK from the Swedish Air Force SIG, or from Rebell Hobby and Hobbybokhandeln in Sweden.



The four-blade (Fairey) propellers for the J.30 Mosquito.

Eduard

Just a couple of new etched sets from Eduard this month.

1/72nd Scale

Subject: OV-10A Bronco

Scale: 1/72nd

Product No.: 72 310

Type: Detail Set

Designed for: Academy kit

Parts: 103 Etched, 4 Acetate

Price: ETBA

Includes: Ejection seat details & harness, sidewalls, instrument panels with acetate backing, canopy windscreen wiper and

rearview mirror, weapon rack sway braces, canopy latches and a large number of replacement blade antennae.

Subject: DH Mosquito B Mk IV

Scale: 1/72nd

Product No.: 72 314

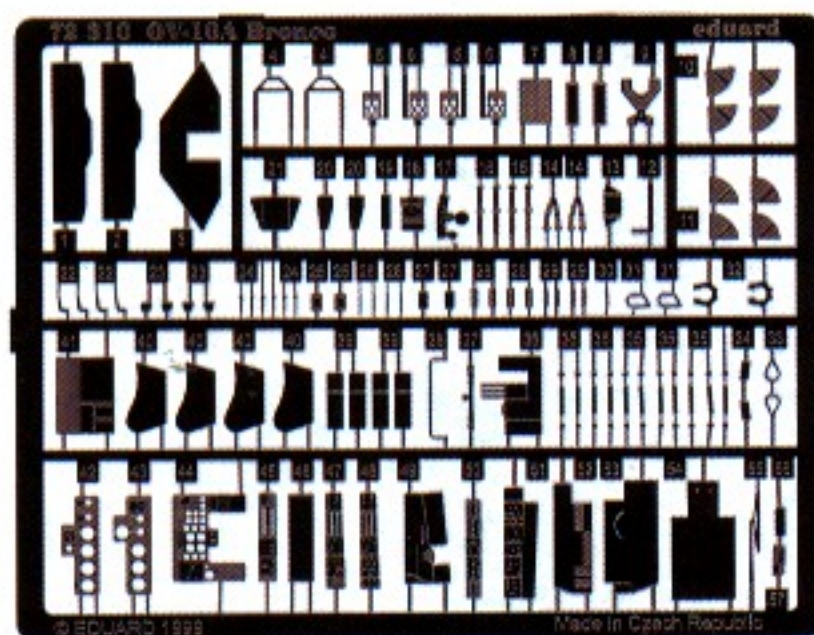
Type: Detail Set

Designed for: Hasegawa kit

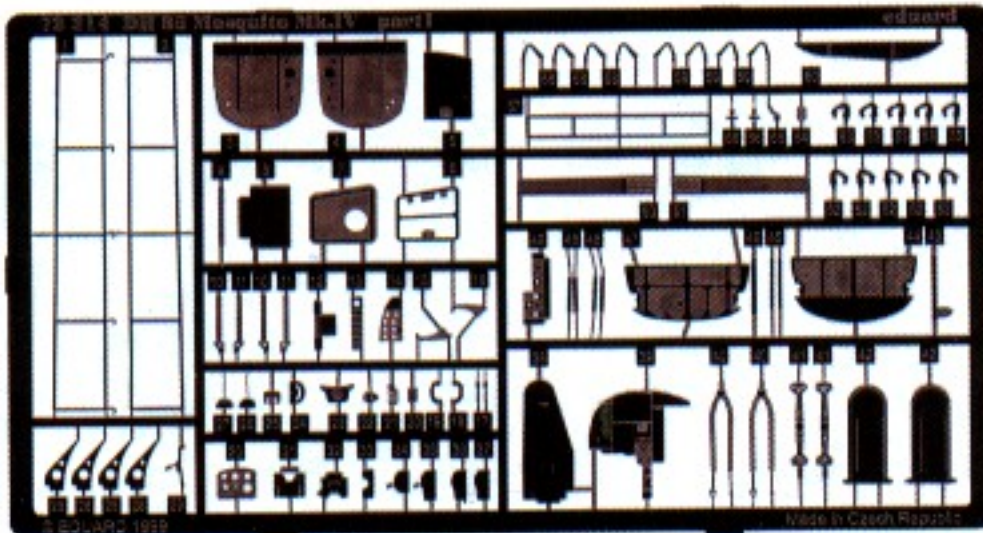
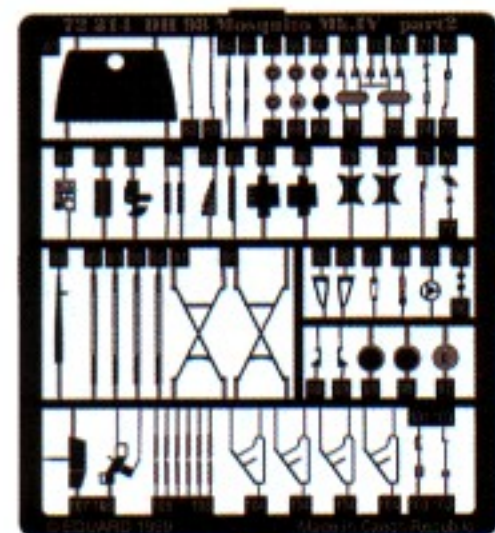
Parts: 158 Etched, 6 Acetate

Price: ETBA

Includes: Sidewall detail, seat and harness, instrument panel and acetate backing, crew access door and ladder, bomb bay details, FOD guards, wheel well and undercarriage leg details, downward ident light and aerial antenna.



The single fret from 72 310



Both frets from 72 314

Conclusion

Both sets are up to the usual high standards set by Eduard and the new Mosquito set is most welcome considering the lack of interior and wheel well detail in the Hasegawa kit.

Our thanks to Eduard M.A. for the review samples.

Worldwide Enquiries: Eduard M.A.
Obtain in the UK via Hannants or LSA Models

insignia ISSUE 13 OUT NOW

36 page magazine with four pages of colour featuring Bulgarian aircraft in the 1912-13 Balkan War, Rhodesian, Swedish and Uzbekistan insignia, 1/72 scale decals for modern Latvian and Georgian aircraft, Gloster Sparrowhawk and much more.

Single issue £5.50 inc. p&p. Four issue subscription: £22.00 UK; £24.00 Europe Air & ROW Surface; £26.00 USA/Canada Air; £28.00 Australia/Far East Air. VISA/MASTERCARD/SWITCH/DELTA



EARLY CHILEAN AIR FORCE 1913-1926

A 1/72 scale decal sheet featuring markings for early Chilean Air Force machines, featuring prominent names. Markings supplied for Avro 504K (6), RAF SE5a & Blériot XI-2. Sheet BR415 - PRICE £3.00 plus 10% p&p



Blue Rider Publishing (Dept SAM), 43a Glasford Street, London SW17 9HL UK
FOR DETAILS OF NEW BLUE RIDER DECALS AND OTHER PRODUCTS, WRITE AND ASK FOR OUR FREE CATALOGUE, PHONE 020 8672 3049, E-MAIL insigniamag@yahoo.com OR VISIT THE INSIGNIA & BLUE RIDER WEB SITE AT <http://members.xoom.com/insigniamag>

BEANEYS

55 WEST STREET • SITTINGBOURNE • ME10 1AN
TEL/FAX: 01795 472815

Stockists of most manufacturers
★ TAMIYA ★ HASEGAWA ★ REVELL ★ ITALERI ★
MPM ★ HOBBYCRAFT ★ DYNAVECTOR ★
ACADEMY ETC, ETC
(plus a good service for others not in stock)

AEROMASTER ACRYLICS
& DECALS,
XTRACOLOUR ENAMELS
SAE please for all postal enquiries

Invicta Model Accessories

- 1/48 Jaguar Cockpit (Airfix) £5.95
- 1/48 Trolley + Torpedo - ideal for Tamiya's MkX Beau or Swordfish £14.95
- 1/48 Resin weighted, smooth wheels for Tamiya Beau 3.50
- 1/48 F-111A/E/F Wheel set £3.95
- 1/48 F-111A/E/F Cockpit set £12.95
- 1/48 F-111A/E/F Radar set / nose cone £6.95
- 1/48 F-111A/E/F Ejector racks x 4 £4.95
- 1/48 F-111 AVQ26 Pavé Tac Pod - now available £6.50
(the above list for the Academy kits)

1/72 US NAVY BUDDY PACK

- REFUELLING POD £1.95
- 1/48 US NAVY BUDDY PACK
- REFUELLING POD £3.95

Academy

- 1/48 F-111F - not usually available £22.99

Special Monogram Limited Imports

- F 105D - the THUD is back £9.99
- F 5E II - Top Gun £10.99
- F 89 - the only kit around £19.99
- B 25J - yes, glazed nose and only £14.99



OPENING TIMES: MONDAY - SATURDAY 9.00 - 5.30 ★ EASY PARKING

ANDY PACK MODELS

37 Broad St, Ross-on-Wye, Herefordshire HR9 7DY, England

Tel: 01989 565469 Fax: 01989 768866 e-mail: andy@andypack.wyenet.co.uk
www.andypack.com

CLASSIC AIRFRAMES 1:48

- Fairey Battle £29.95
- NEW Fairey Battle Trainer £29.95
- NEW Bristol Blenheim PTA

AML 1:72

- NEW Me B1109 D £7.25

HASAGAWA 1:48

- Hurricane MK1 Trop £16.99
- Henschel 129 B-2 £15.99
- Typhoon MK1B £14.99
- Seaplane Rufe £14.99

- NEW Kawasaki T-4 £14.99
- NEW Zeke Type 52A/B/M5 £14.99

- Back in stock 1:72
- F-20 Tigershark £6.50

- F9F2 Panther £6.50

- NEW Macchi C202 (early) £9.99

- FW109AS Special £9.99

- NEW Heavy Bomber Hiryu/Peggy £16.99

A MODEL 1:72

- NEW UT-4 £7.50

- YAK 18 £7.50

NOVO FROM RUSSIA 1:72 (boxed with decals)

- Mie Master III £4.99

- Mie Magister £4.99

Plus many more

SWORD 1:72

- NEW Bearcat F8F-12 £7.50



Collect-Aire Models



1/48 Scale! Unassembled kit!

Custom Resin Castings! Fully Engraved Panel Lines! Full Cockpit! Clear Vac. Canopy! 2 Propeller Types! Full Weapons Load! Torpedos/Rockets! Metal P&W "4360" Engine! Landing Gear! Open Belly Airbrake! Full Wheel Wells! Custom Color Decals for NAS Grosse Isle! Custom Color Artwork Box! Limited to 200 Copies!

Only \$139.95

Plus \$5.00 s/h U.S.; \$15.00 all others (air)

Comprehensive 50 page illustrated "ADVISOR" of 4000 plus "in stock" collector's kits, plus our own line, published bi-yearly at \$10.00 U.S.; \$12.00 Canada; \$20.00 all foreign per yearly subscription (airmail).

166 Granville Lane • North Andover, MA 01845 USA

(978) 688-7283 / FAX (978) 685-0220 / website: <http://www.collectaire.com>

Prices: Please note that all foreign prices quoted within this section are those supplied by the manufacturer and therefore will be subject to conversion, shipping and import tax within the UK.

Albatros Modelworks

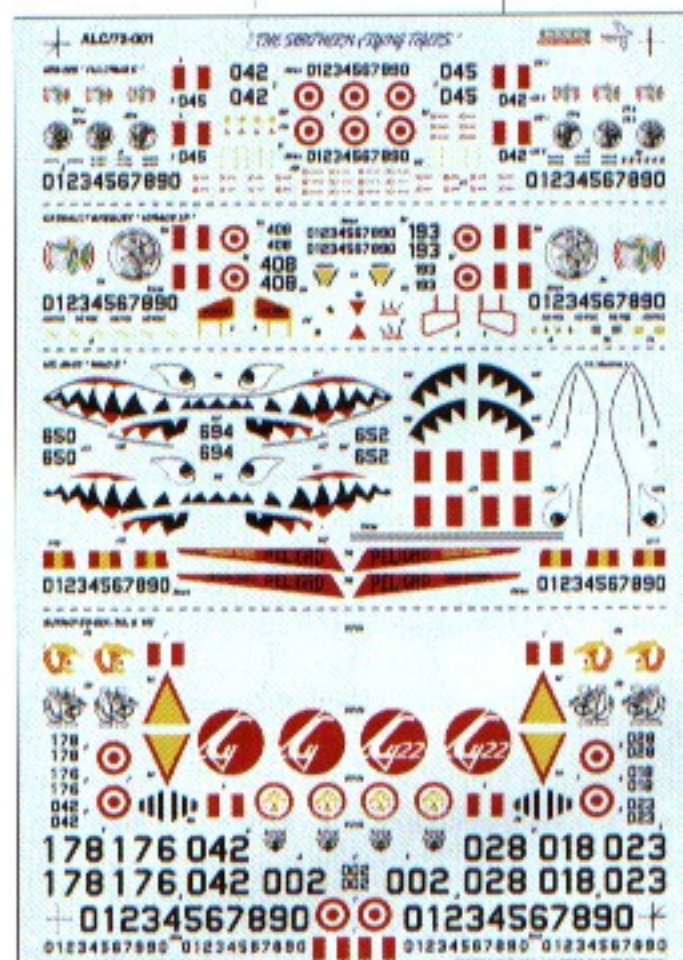
This is a new firm from Mexico and their first four sheets have been passed to us for review.

1/72nd Scale

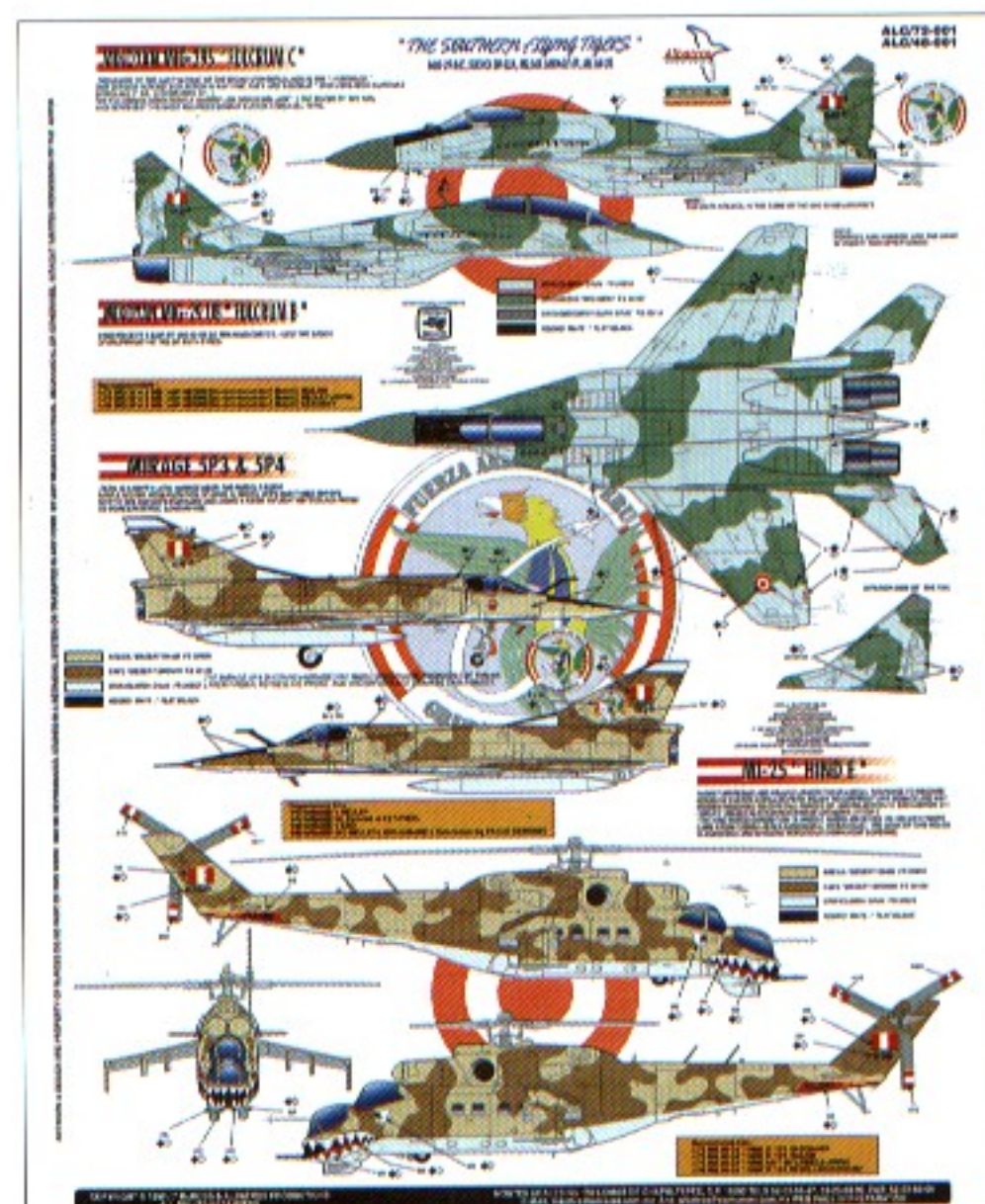
ALC/72-001. The Southern Flying Tigers

•1. MiG-29S 'Fulcrum C' of Grupo Aereo No.6, Escuadron 611, Jose Abelardo Quinones AFB.

•2. Mirage 5P3 & 5P4.
•3. Mil Mi-24 'Hind E' of Grupo Aereo 2, Escuadron 211. This machine is Desert Sand and Brown over Grey.
•4. Sukhoi Su-22M2 'Fitter J' of Group 11 'Los Tigres' based at Mariano Melgar AFB, La Joya. Three options including an experimental camouflage scheme.
•5. Sukhoi Su-22A 'Fitter F' of Escuadron 111 'Los Tigres' based at Capitan Montes Talara AFB, El Pato. Three options including a green and brown camouflaged example and an upgraded Su-22A with in-flight refuelling probe. The first option is in a two-tone scheme, whilst all the rest are in a Desert Sand and Brown over Grey.



The decal sheet from ALC/72-001

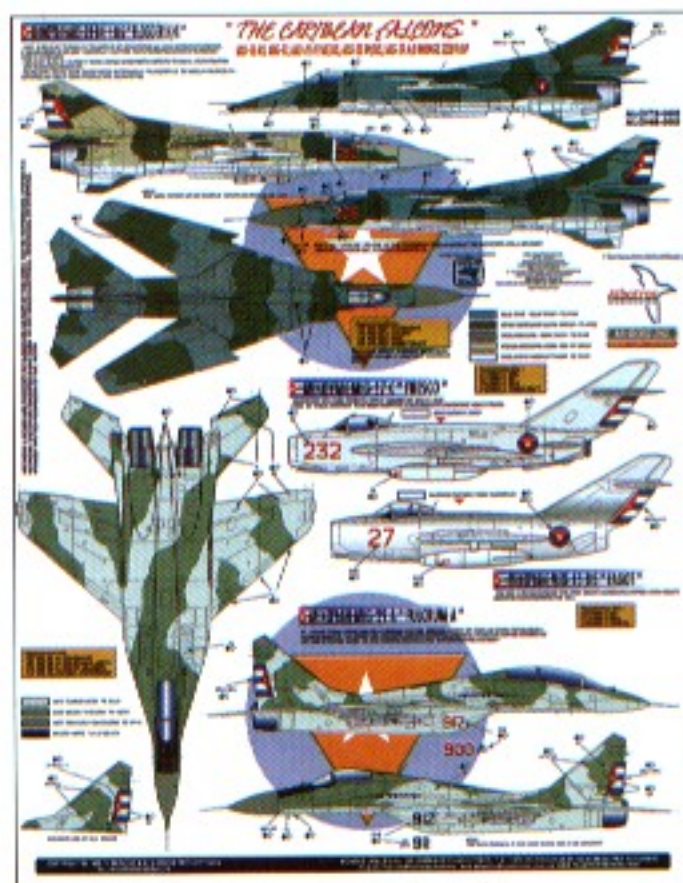


The MiG-29, Mirage V and Mi-24 options on ALC/72-001.

ALC/72-002 The Caribbean Falcons

•1. MiG-23BN 'Black 22' flown by Maj. Lorenzo Perez Orestes when he defected to the USA in March 1991.
•2. MiG-23MS 'Red 210' flown in the Angolan Civil War and operated and maintained by Cuban personnel until 1989.
•3. MiG-23MS 'Red 206'.

•4. MiG-17 'Fresco', 'Red 232'.
•5. MiG-15 'Fagot', 'Red 27'.
•6. MiG-29A. Four options; 'Red 917' and 'Red 900' plus 'Black 911' and 'Black 912'.
•7. Mirage 2000P/DP, Escuadron 411 & 412, Grupo Aereo de Caza 4, Maraino Melgar AFB, La Joya.
•8. MiG-21PFM, 'Black 663'.
•9. MiG-21ME, 'Red 518' & 'Red 602'.
•10. MiG-21bis, 'Red 371'.
The MiG-23 options are in Grey and Green, while the MiG-29 is in a two-tone Grey scheme. The MiG-17 and 21 options are bare metal overall and the Mirage 2000 is Desert Sand and Brown over Grey.



The MiG-17, 23 & 29 options on ALC/72-002

1/48th Scale

ALC/48-001. The Southern Flying Tigers

This is just a scaled-up version of ALC/72-001 listed previously.

ALC/48-002. The Caribbean Falcons

This is just a scaled-up version of ALC/72-002 listed previously.



The decal sheet from ALC/72-002

Conclusion

The decal sheets themselves are excellent, being of the same quality as those we have seen from Aztec lately. One down point is that the instructions, which although beautifully produced and printed, are at times very confusing. The only UK stockist of the range we are currently aware of is Hannants, and each sheet retails for £6.50. Our thanks to Albatros Modelworks for the review samples.



The decal sheet from ALC/48-002



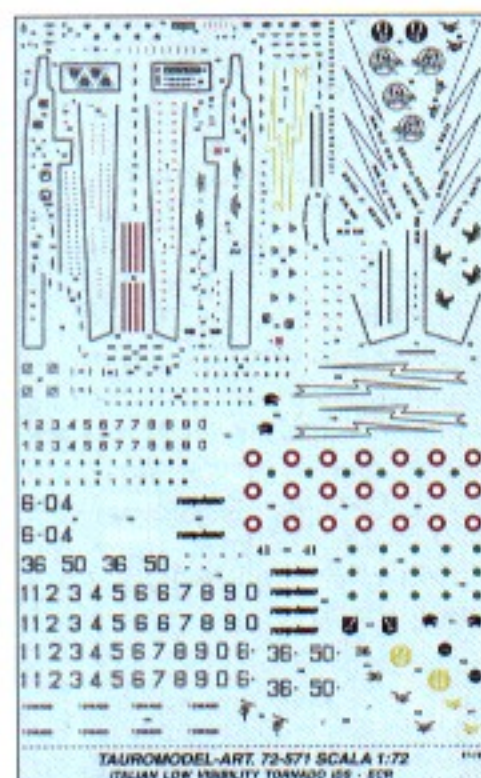
The decal sheet from ALC/48-001

Tauro Decals

Another large selection of Italian Air Force related decals has just been released by this manufacturer, and samples of each have been passed to us



Some of the eight options on ART.72/571



Tornado and F-104 stencils offered on ART.48/505

for review.

1/72nd Scale

ART. 72/571 Italian Lo-viz Tornado

- 1. Tornado IDS, MM.7035, 156° Gr., 36° Stormo, Gioia del Colle, 1998
- 2. Tornado ECR, MM.7045, 155° Gr., 50° St., Piacenza S. Damiano, 1998.
- 3. Tornado IDS, MM.7088, 154° Gr., 6° St., Brescia-Ghedì, 1996.
- 4. Tornado IDS, MM.7061, 156° Gr., 36° St., Cameri, October 1997.
- 5. Tornado IDS, MM.7005, 102° Gr., 6° St., Brescia-Ghedì, 1996.
- 6. Tornado IDS, MM.70??, 156° Gr., 36° St., Gioia del Colle, 1995.
- 7. Tornado IDS trainer, MM.55002, 155° Gr., 6° st., Ghedi-Brescia, 1985.
- 8. Tornado IDS trainer, MM.55004, 154° Gr., 6° St., Brescia-Ghedì, 1996.

1/48th Scale

ART. 48/505 Italian Serials; Tornado & F-104

This sheet includes a large selection of



Some of the colourful Helldiver options on ART.48/515

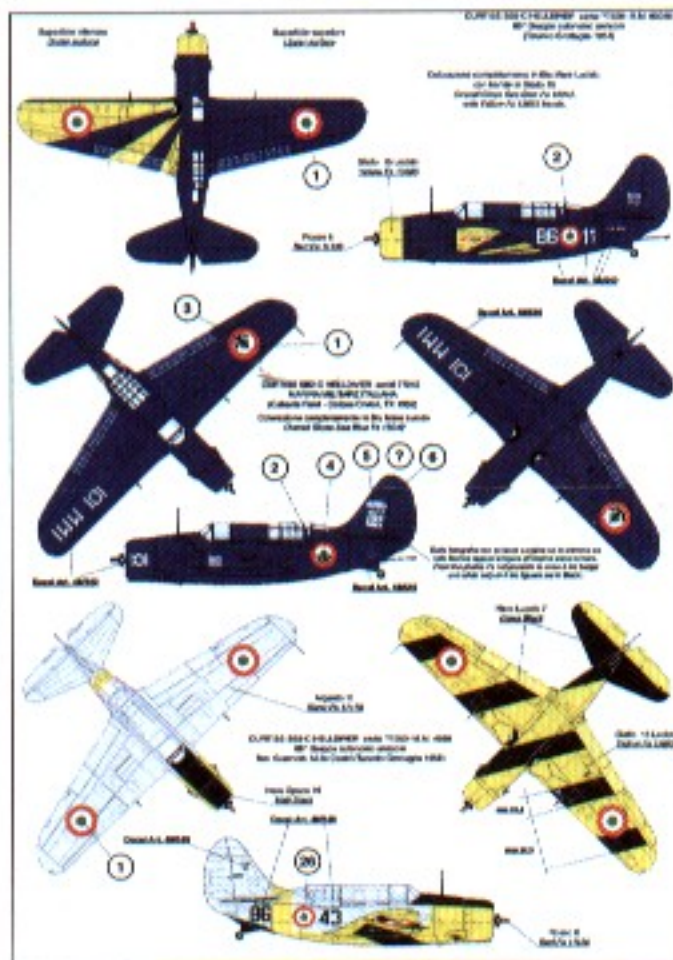


The decal sheet from ART.48/515

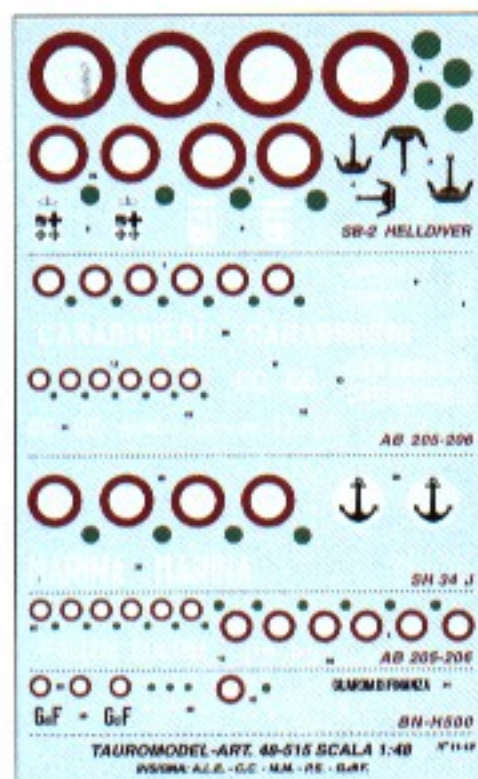
white and black stencils that are suitable for Italian A.F. Tornados and F-104s. The instructions also list all serial number allocations per type, along with six colour side views of F-104s and one of a Tornado showing their application.

ART.48/515 Italian Roundels; SH-34, AB-205, AB-206 and NH-500

- 1. SB2-C Helldiver, ??228/MM.80036 of 86° Gruppo Autonomo Antisom, Taranto-Grottaglia, 1954.
- 2. SB2-C Helldiver, ??212, Marina Militare Italiana, Cabanis Field, Corpus Christi, 1952.
- 3. SB2-C Helldiver, ??350/MM.4686, 86° Gruppo Autonomo Antisom, Taranto-Grottaglie, 1958.
- 4. Agusta Bell AB.206, MM.80620, 44° Gr, Squadroni EM "ERI", 4° Ragg. Ale 'Altair', Venaria Reale, 1988.
- 5. Agusta Bell AB.206, PS-19, Gruppo elicotteri della Polizia di Stato, Malpensa, 1990.
- 6. Agusta Bell AB.206A1,



Some of the Tornado options from ART.48/567



The decal sheet from ART.48/567



Some of the F-86 roundels from ART.32/503

- MM.80919, 1° Nucleo Elicotteri Carabinieri, Torino, 1989.
- 7. Agusta Bell AB.205A, MM.80709, 54° Gr. Squadroni EM 'CEFEQ', 4° Ragg. Ale 'Altair', Venaria Reale, 1988.
- 8. Agusta Bell AB.205A, MM.80780, 12° Nucleo Elicotteri Carabinieri, Cantania Fontanarossa, 1988.

ART.48/567 Italian Lo-viz Tornado

- 1. Tornado IDS, MM.70??, 156° Gr., 36° St., Gioia del Colle, 1995.
- 2. Tornado IDS, MM.7088, 154° Gr., 6° St., Brescia-Ghedì, 1996.
- 3. Tornado IDS trainer, MM.55004, 154° Gr., 6° St., Brescia-Ghedì, 1996.
- 4. Tornado IDS, MM.7005, 102° Gr., 6° St., Brescia-Ghedì, 1996.
- 5. Tornado ECR,

MM.7045, 155° Gr., 50° St., Piacenza S. Damiano, 1998.

- 6. Tornado IDS, MM.7035, 156° Gr., 36° Stormo, Gioia del Colle, 1998

1/32nd Scale

ART.32/503 Italian Roundels; Tornado, F-104 & F-86.

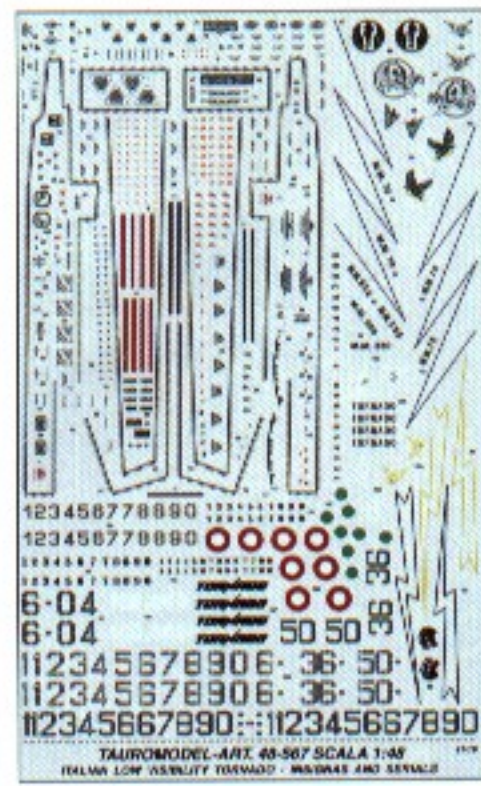
This sheet offers a selection of Italian Air Force roundels that are suitable for the Tornado, F-104 Starfighter and F-86 Sabre.

ART.32/504 Italian Serials; Tornado, F-104

This is just a scaled-up version of the 1/48th scale sheet reviewed elsewhere (ART.48/505), albeit that this scale means there are fewer actual serials offered.

ART.32/526 Italian Lo-viz Tornado Data Stencils

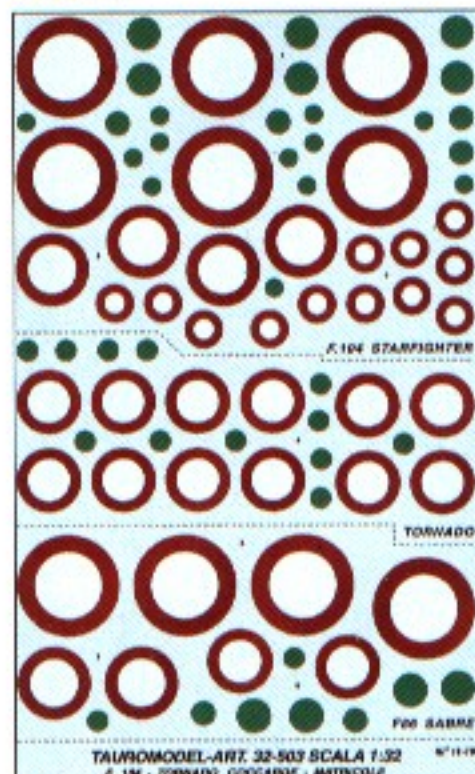
This sheet includes one complete set of low visibility stencils for an Italian Air Force Tornado IDS.



The decal sheet from ART.32/503



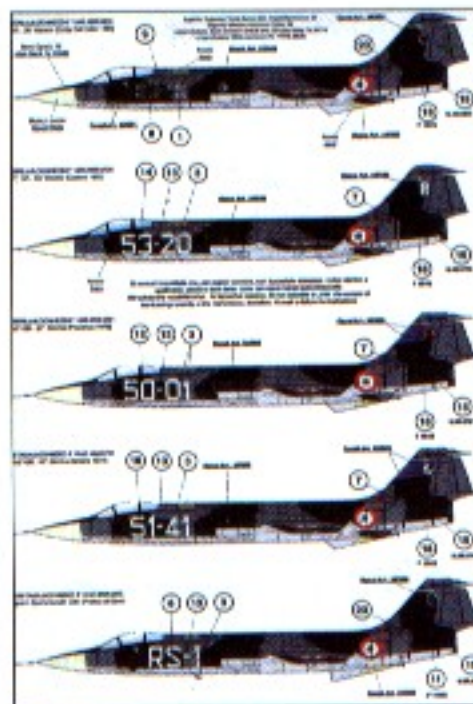
Some of the uses of the roundels F-86 offered in ART.32/5043



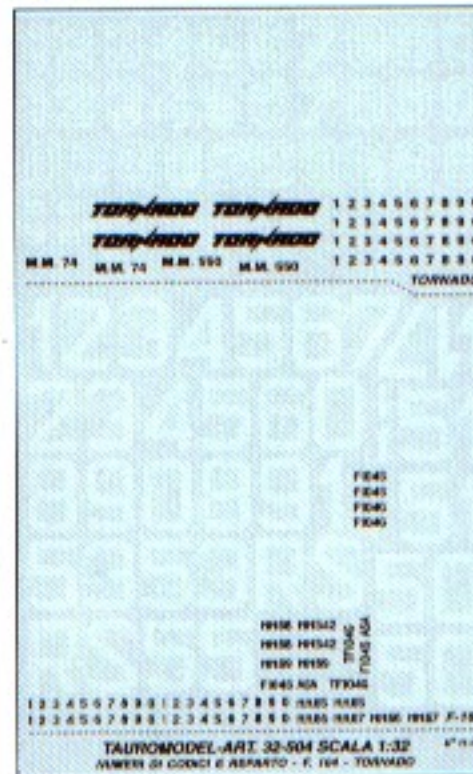
The decal sheet from ART.32/504

ART.32/532 Italian Lo-viz Tornado Insignia

- 1. Tornado IDS, MM.7074, Gulf War, Kuwait City, January 1991.
- 2. Tornado IDS, MM.7088, 154° Gr., 6°



Some of the uses of the Tornado & F-104 series offered in the ART.32/504

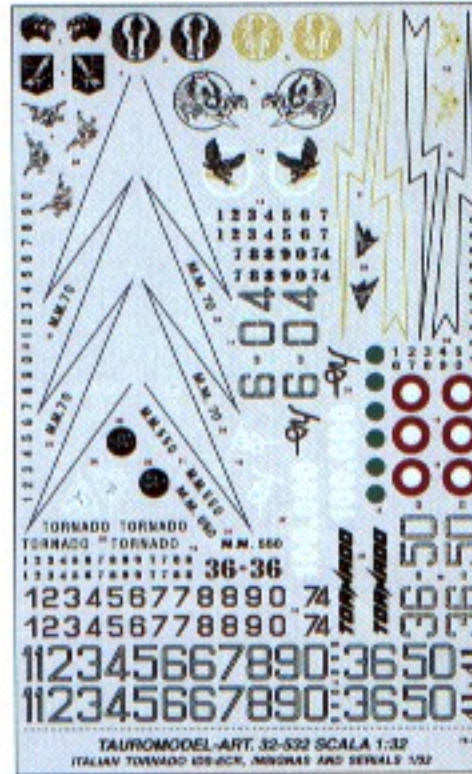


The decal sheet from ART.32/504

- St., Brescia-Ghendi, 1996.
- 3. Tornado IDS, MM.7061, 156° Gr., 36° St., Cameri-Ott, 1997.
- 4. Tornado IDS, MM.7005, 102° Gr., 6° St., Brescia-Ghendi, 1996.

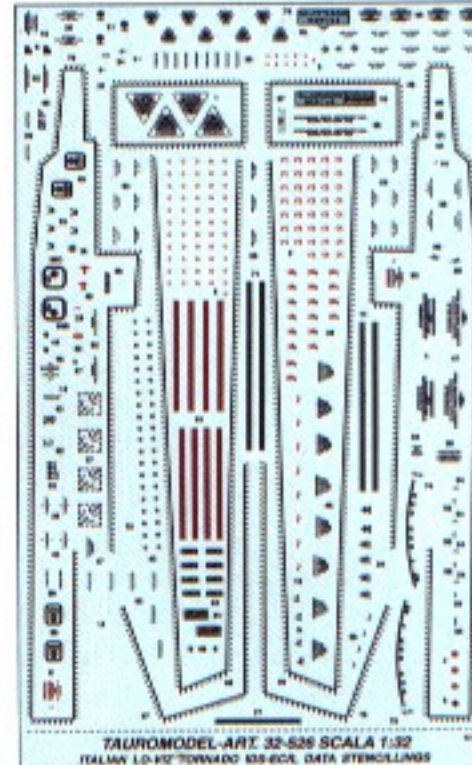


Some of the Tornado options on ART.32/532



The decal sheet from ART.32/532

- 5. Tornado IDS, MM.7077, 156° Gr., 36° St., Gioia del Colle, 1995.
- 6. Tornado IDS trainer, MM.55002, 155° Gr., 6° St., Ghedi-Brescia, 1985.
- 7. Tornado IDS trainer, MM.55004, 154°



The decal sheet from ART.32/526

- gr., 6° St., Brescia-Ghendi, 1996.
- 8. Tornado ECR, MM.7045, 155° Gr., 50° St., Piacenza S.Damiano, 1998.
- 9. Tornado IDS, MM.7035, 156° Gr., 36° St., Gioia del Colle, 1998.

Conclusion

Each sheet is of the highest quality and it offers a wide selection of potential schemes. All the serial numbers shown as "?" in the above list are unknown by the manufacturer. The instruction sheets with each are well printed with clear decal placement guides and all colours are given by FS number. The decal sheets themselves offer all the unique markings for each option, along with a mass of serial numbers and national insignia and at least one set of stencils.

Our thanks to Tauro Models for the review samples.

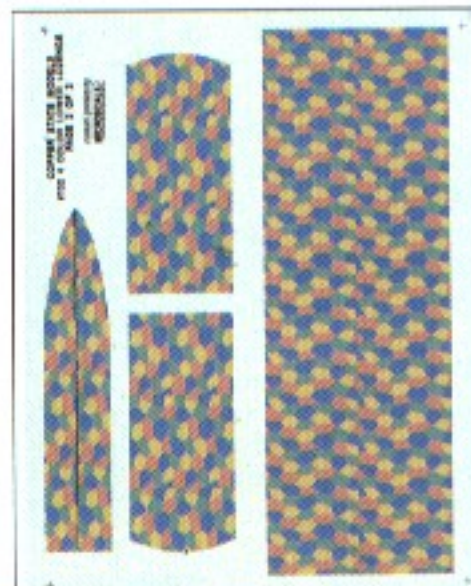
Copper State Models

Two more lozenge fabric decal sheets have recently been released by Copper State Models.



1/28th Scale

CSM 151 - Four Colour (Upper) Lozenge Fabric.



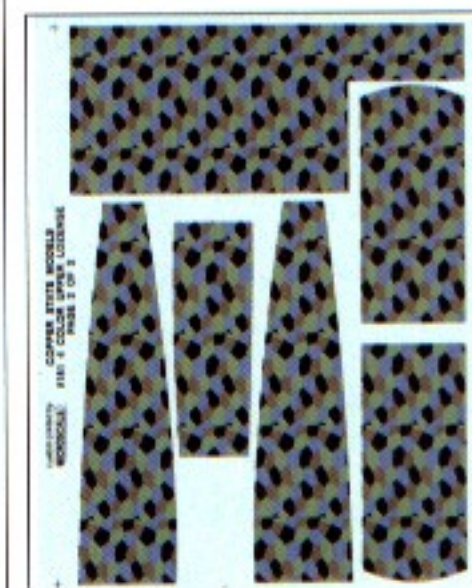
Both decal sheets from CSM 152



CSM 152 - Four Colour (Lower) Lozenge Fabric.

Conclusion

These two sheets offer pre-formed panels of each type of lozenge and they are designed



Both decal sheets from CSM 151

for use with the Revell® D.VII kit. Each sheet retails for \$12.99, or \$19.99 for the pair.

Our thanks to Copper State Models for the review samples

Tally Ho!

This month sees the release of two new sheets. Both of these deal with the Curtiss P-40, and they are available in either 1/72nd or 1/48th scale.

72 008 Curtiss P-40

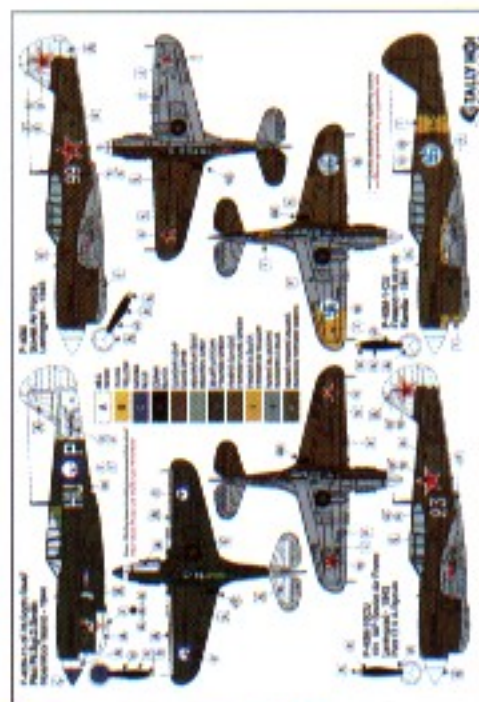
- 1. P-40M-1-CU, KH-51, HLeLv 32, Karelia, Finland, 1944.
- 2. P-40M, 'White 99' of the Soviet Air Force, Leningrad, 1943
- 3. P-40M-10-CU, 'White 23' of the 191 IAP, Soviet Air Force, Leningrad, 1943. This machine was flown by Lt. V.A. Ryevin.
- 4. P-40N-15, No. 78 Sqn, RAAF, Noemfoor Island, 1944. This machine was flown by Flt Sgt D. Smith.

The first option is Finnish Olive Drab over Neutral Grey, while options 2 and 3 are Topside Green over Light Blue and the final option is Foliage Green overall.

1/48th Scale

48 004 Curtiss P-40

This is a scaled-up version of 72 008 offering the same four options as the smaller sheet.



The four options offered on 72 008

Conclusion

The decal sheets in both cases include all unique and national insignia for each option along with one complete set of stencils. The instruction sheets give colour



The decal sheet from 72 008



The decal sheet from 48 004

references by FS number and Testors, Agama, Humbrol, Revell, AeroMaster, Gunze Sangyo and Tamiya paint ranges. Our thanks to Tally Ho! for the review samples.

EagleCals

Two new sheets have just been released by this manufacturer to coincide with the production of the Hs 129 in 1/48th scale by Hasegawa.

1/48th Scale

#EC48-17 Hs 129 Panzerjäger

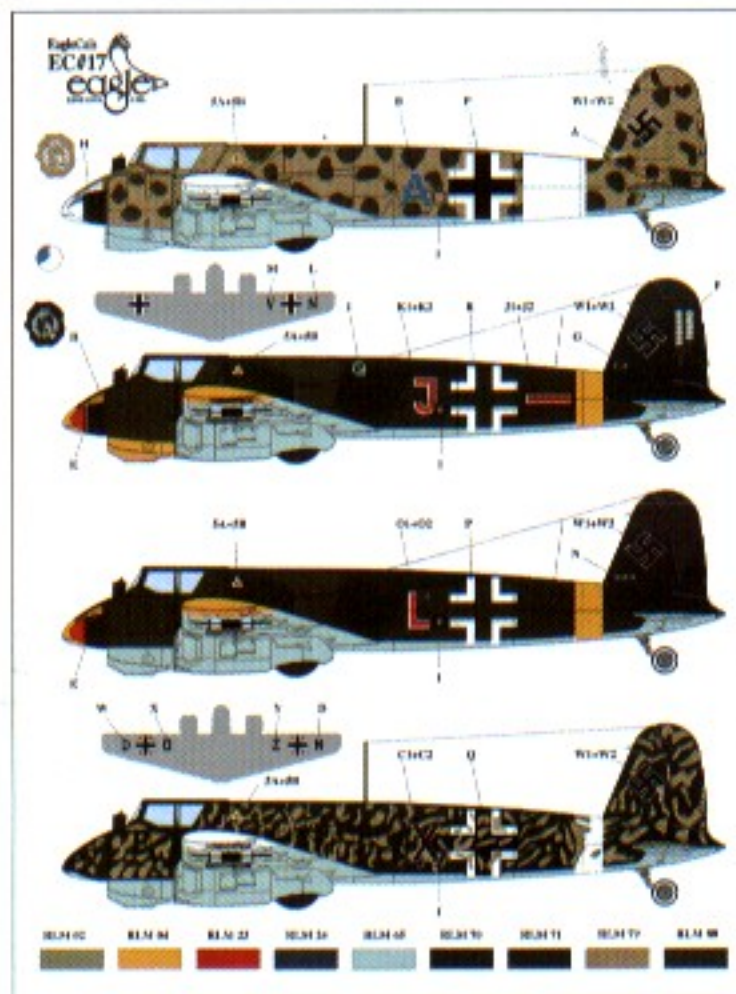
- 1. Hs 129B-2 'Blue A', W/Nr. 0296 of 4.(Pz)/Sch.G 2, 1942-3 at El Adem, Libya.
 - 2. Hs 129B-2, 'Red J', W/Nr. 0364 of 8.(Pz)/Sch.G 1, May 1943 at Kuban, Russia.
 - 3. Hs 129B-2, 'Red L', W/Nr. 140830 of 10.(Pz)/Sch.G 9, July 1943 in Russia.
 - 4. Hs 129B-2, 'Purple X', W/Nr. 0278 of 8.(Pz)/Sch.G 2, 1943 at El Aouina, Tunisia.
- The first option is in a desert scheme (RLM 79/80/65), while options 2 & 3 are RLM 70/71/65 and the final option is RLM 79 with a dense mottle of RLM 80 and RLM 65 underneath.

#EC48-18 Hs 129 Panzerjäger

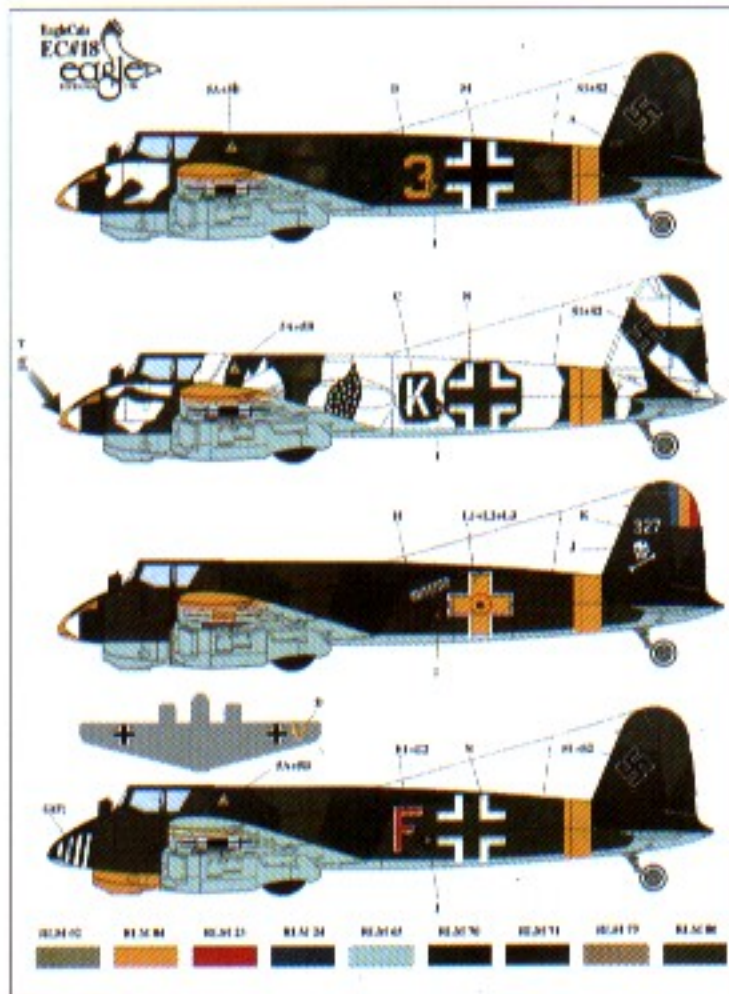
- 1. Hs 129B-2, 'Yellow 3', W/Nr. 0350 of Pz.Jä.St./JG 51 on the Eastern front in the Spring of 1943
 - 2. Hs 129B-2, 'White K', W/Nr. N/K of 10.(Pz)/SG 9, early 1944 at Proskurov, Russia.
 - 3. Hs 129B-2, 'White 327', W/Nr. N/K of 60 Asalt Escadrilla, Grupul 8 Asalt, Rumanian Air Force.
 - 4. Hs 129B-2, 'Red F', W/Nr. N/K of 14.(Pz)/SG 9 in Hungary in 1945.
- Each of these options are in an RLM 70/71/65 scheme and the first and second also feature elements of winter camouflage over the top of these colours.

Conclusion

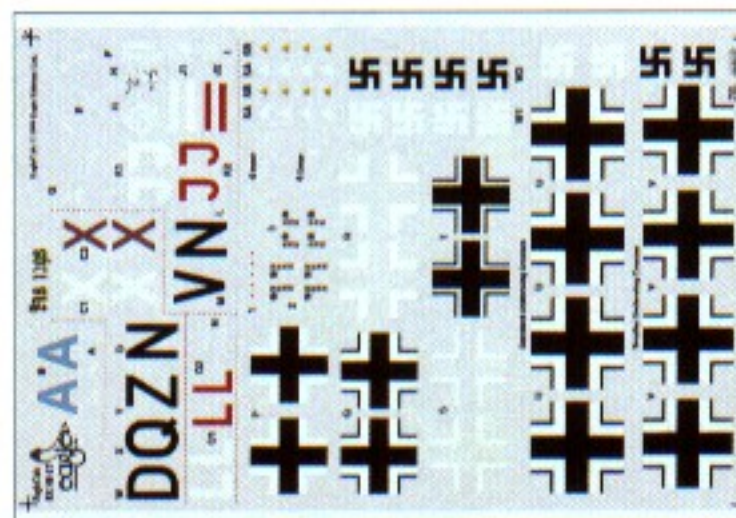
Each sheet comes with a comprehensive set of instructions that include all detail painting and marking notes. The decal sheets include all the unique and national markings for each option, along with



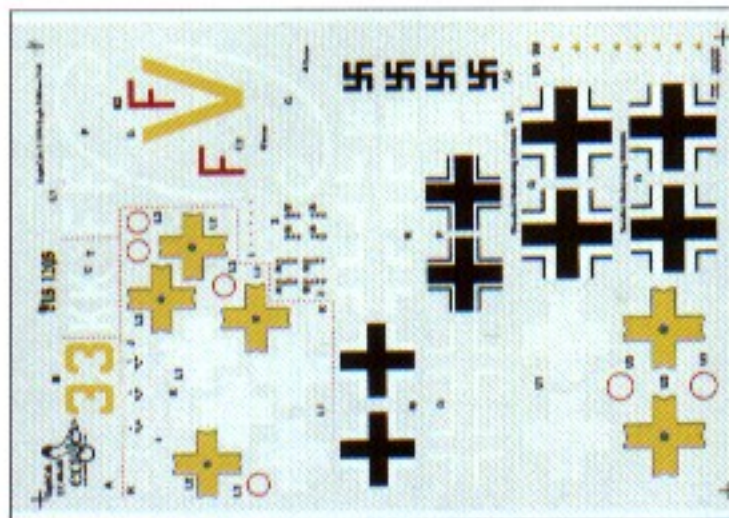
The four options on EC48-17



The four options on EC48-18



The decal sheet from EC48-17



The decal sheet from EC48-18

stencils and even the instrument clusters on the inside of each engine nacelle. Each sheet retails for \$9.00 and is also

available in 1/72nd scale.

Our thanks to EagleCals for the review samples.

Prices: Please note that all foreign prices quoted within this section are those supplied by the manufacturer and therefore will be subject to conversion, shipping and import tax within the UK.

Cutting Edge

1/4 Sets	
CEBM48001	A-1 Skyraider Canopy & Wheel Hub Masks for Tamiya
CEBM48002	A-1 Skyraider Wheel Hub Masks for TD48047/46049
CEBM48003	A-1 Skyraider Wheel Hub Masks for TD48084
CEBM48004	A-10 Canopy & Wheel Hub Masks for Monogram
CEBM48005	A-10 Canopy & Wheel Hub Masks for Tamiya
CEBM48006	A-20 Wheel Hub Masks for TD48059
CEBM48283	A-20B/C D-Day Stripes for AMT/ERTL
CEBM48284	A-20G Canopy & Wheel Hub Masks for AMT/ERTL
CEBM48280	A-20G D-Day Stripes for AMT/ERTL
CEBM48007	A-26A/B/C Wheel Hub Masks for TD48037
CEBM48008	A-4E/F Canopy & Wheel Hub Masks for Monogram
CEBM48009	A-6E Canopy & Wheel Hub Masks for Revell/Monogram
CEBM48210	A-TDVE Canopy & Wheel Hub Masks for Hasegawa
CEBM48010	A3M Claude Type 96 Wheel Hub Masks for TD48072
CEBM48328	A6M Type 52 Zero Canopy & Wheel Hub Masks for Otaki/Arii
CEBM48376	A6M Zero/Hamp Canopy & Wheel Hub Masks for Tamiya
CEBM48011	A6M Zero/Zeko Wheel Hub Masks for TD48055/46003
CEBM48394	A6M2-N Rifle Canopy & Wheel Hub Masks for Tamiya
CEBM48225	A6M3 Type 22 Canopy & Wheel Hub Masks for Hasegawa
CEBM48411	AD-5A-1E Canopy & Wheel Hub Masks for Matchbox
CEBM48418	AH-1S Canopy Masks for Fujimi
CEBM48205	AH-1S Canopy Masks for Monogram
CEBM48415	AH-1T Canopy Masks for Italeri
CEBM48206	AH-1W Canopy Masks for Italeri
CEBM48439	AH-64A Canopy & Wheel Hub Masks for Airfix
CEBM48423	Alouette III Canopy Masks for Fujimi
CEBM48428	Alpha Jet Canopy & Wheel Hub Masks for ESCI
CEBM48453	Ar 196 Canopy Masks for MPM
CEBM48380	Ar 234 Canopy & Wheel Hub Masks for Hobbycraft
CEBM48012	Ar 234B Wheel Hub Masks for TD48070
CEBM48013	Ar 234C Wheel Hub Masks for TD48085
CEBM48407	Ar 96 Canopy Masks for Special Hobby
CEBM48450	AN-8A Canopy & Wheel Hub Masks for Monogram
CEBM48421	AN-8B Canopy & Wheel Hub Masks for Monogram
CEBM48014	B-17E/F/G Wheel Hub Masks for TD48010
CEBM48015	B-17E/F/G Wheel Hub Masks for TD48098
CEBM48275	B-17F Canopy & Wheel Hub Masks for Revell
CEBM48274	B-17G Canopy & Wheel Hub Masks for Monogram
CEBM48270	B-1B Canopy Masks for Revell
CEBM48016	B-24 Wheel Hub Masks for TD48024/46024
CEBM48272	B-24D Canopy & Wheel Hub Masks for Monogram
CEBM48273	B-24I Canopy & Wheel Hub Masks for Monogram
CEBM48017	B-25B-J Wheel Hub Masks for TD48019
CEBM48242	B-25H/J Canopy & Wheel Hub Masks for Monogram/ProModeler
CEBM48018	B-26 Marauder Canopy & Wheel Hub Masks for Monogram
CEBM48281	B-26 Marauder D-Day Stripes for Monogram/ProModeler
CEBM48276	B-29 Canopy & Wheel Hub Masks for Monogram
CEBM48019	B-29B-50 Wheel Hub Masks for TD48032/46037
CEBM48271	B-28 Canopy & Wheel Hub Masks for Monogram
CEBM48373	B5N Kate Type 97 Canopy & Wheel Hub Masks for Nichimo
CEBM48020	B5N Kate Type 97 Wheel Hub Masks for TD48080
CEBM48395	B5N2 Jill Canopy & Wheel Hub Masks for Hasegawa
CEBM48344	B7A2 Ryusei Kai/Graze Canopy & Wheel Hub Masks for Hasegawa
CEBM48240	BAC Lightning Mk.1-6 Canopy & Wheel Hub Masks for Airfix
CEBM48022	Beaufighter Camouflage Masks for Tamiya
CEBM48021	Beaufighter Canopy & Wheel Hub Masks for Tamiya
CEBM48094	Beaufighter D-Day Stripes for Tamiya
CEBM48023	BF 109B Canopy & Wheel Hub Masks for Hobbycraft
CEBM48024	BF 109B-E 70/71 Splinter Masks
CEBM48025	BF 109B/G-2 Wheel Hub Masks for TD48003
CEBM48452	BF 109F Canopy & Wheel Hub Masks for Airfix
CEBM48026	BF 109F-2 Canopy & Wheel Hub Masks for Hasegawa
CEBM48027	BF 109G Standard Canopy & Wheel Hub Masks for Hasegawa
CEBM48285	BF 109G-L2 Camouflage Masks
CEBM48288	BF 109G-10 Camouflage Masks
CEBM48028	BF 109G-10K Erla Canopy & Wheel Hub Masks for Hasegawa
CEBM48230	BF 109G-10K-4 Erla Canopy & Wheel Hub Masks for Revell/Monogram
CEBM48030	BF 109G-10K-4 Wheel Hub Masks for TD48006/46004
CEBM48029	BF 109G-10K-4 Wheel Hub Masks for TD48023/46023
CEBM48287	BF 109G-14 Camouflage Masks
CEBM48286	BF 109G-6 Camouflage Masks
CEBM48326	BF 109G-6 Canopy & Wheel Hub Masks for Fujimi
CEBM48323	BF 109G-6 Canopy & Wheel Hub Masks for Otaki/Arii
CEBM48031	BF 109G-6/G-10 Wheel Hub Masks for TD48006
CEBM48305	BF 109G-6/G-14 Canopy & Wheel Hub Masks for Hobbycraft
CEBM48032	BF 109G/K Reich Defense Bands Masks for Hasegawa
CEBM48289	BF 109K Canopy & Wheel Hub Masks for Hobbycraft
CEBM48306	BF 109K Canopy & Wheel Hub Masks for Hobbycraft
CEBM48295	BF 110 70/71 Camouflage Masks
CEBM48296	BF 110 71/02 Camouflage Masks
CEBM48297	BF 110 74/75 Camouflage Masks
CEBM48446	BF 110C/D Canopy & Wheel Hub Masks for Fujimi
CEBM48033	BF 110C/D Wheel Hub Masks for TD48077
CEBM48034	BF 110E/F/G Wheel Hub Masks for TD48046
CEBM48035	BF 110G Canopy & Wheel Hub Masks for ProModeler
CEBM48454	Bo 105/PAH.1 Canopy Masks for ESCI
CEBM48260	Brewster Buffalo Canopy & Wheel Hub Masks for Tamiya
CEBM48221	Buconner Canopy & Wheel Hub Masks for Airfix
CEBM48359	BY 141 Canopy & Wheel Hub Masks for HPM
CEBM48348	C-130AC-130 Canopy & Wheel Hub Masks for Italeri/Tenors
CEBM48269	C-47 Canopy & Wheel Hub Masks for Monogram
CEBM48036	C-47/DG-3 Wheel Hub Masks for TD48052
CEBM48079	C-50 Canopy & Wheel Hub Masks for Hobbycraft
CEBM48333	DF-2D Canopy & Wheel Hub Masks for Tamiya

CEBM48037	D-520 Wheel Hub Masks for TDA4802	\$1.75	CEBM48066	E-35 Canopy & Wheel Hub Masks for Revell	\$6.99
CEBM48038	D3A1 Aichi Type 99 (Vul) Canopy & Wheel Hub Masks for Hasegawa	\$5.99	CEBM48067	E-60 Canopy & Wheel Hub Masks for Academy	\$6.99
CEBM48039	D3A1 Aichi Type 99 (Vul) Wheel Hub Masks for TDA48058	\$1.75	CEBM48068	EAF Type Canopy & Wheel Hub Masks for Revell	TBR
CEBM48043	D4Y1 Judy Canopy & Wheel Hub Masks for FineModels	\$5.99	CEBM48069	Escher GR.1 Canopy & Wheel Hub Masks for Tamiya	TBR
CEBM48387	DHC-2 Beaver Canopy & Wheel Hub Masks for Hobbycraft	\$6.99	CEBM48355	Escher Canopy & Wheel Hub Masks for Occidental	\$6.99
CEBM48388	DHC-3 Otter Canopy & Wheel Hub Masks for Hobbycraft	\$6.99	CEBM48435	Hawk T.1 Canopy & Wheel Hub Masks for Premium	TBR
CEBM48040	Do 17M/F 6162/63 Splitter Masks for Hobbycraft	\$13.99	CEBM48068	He 11H 7071 Splitter Masks for ProModeler	\$12.99
CEBM48041	Do 17M/F 7071 Splitter Masks for Hobbycraft	\$12.99	CEBM48069	He 11H Canopy & Wheel Hub Masks for ProModeler	\$8.99
CEBM48042	Do 17M/F Canopy & Wheel Hub Masks for Hobbycraft	\$6.99	CEBM48070	He 11H Wheel Hub Masks for TDA4806	\$1.75
CEBM48044	Do 17Z 7071 Splitter Masks for Hobbycraft	\$12.99	CEBM48071	He 162 Canopy & Wheel Hub Masks for DML/Deagon	\$5.99
CEBM48045	Do 17Z Canopy & Wheel Hub Masks for Hobbycraft	\$6.99	CEBM48072	He 162 Wheel Hub Masks for TDA8078	\$1.75
CEBM48046	Do 17Z Wheel Hub Masks for TDA8067	\$1.75	CEBM48254	He 219 Canopy & Wheel Hub Masks for Tamiya	\$6.99
CEBM48098	Do 335 Canopy & Wheel Hub Masks for Monogram/ProModeler	\$7.99	CEBM48093	He 51 Red/White Sealing Masks for Classic Airframes	\$9.99
CEBM48358	Do 335 Dual Seat Camouflage Pattern Masks for Monogram/ProModeler	\$9.99	CEBM48253	He 229 Canopy & Wheel Hub Masks for DML/Deagon	\$5.99
CEBM48357	Do 335 Single Seat Camouflage Pattern Masks for Monogram/ProModeler	\$9.99	CEBM48095	He 123 6162/63/65 Splitter Masks for ESCI	\$12.99
CEBM48267	Do 335 Wheel Hub Masks for Pacagon 48111	\$1.75	CEBM48096	He 123 Canopy & Wheel Hub Masks for ESCI	\$5.99
CEBM48268	Do 335 Wheel Hub Masks for TDA8054	\$1.75	CEBM48097	He 129 7071 Splitter Masks	\$10.99
CEBM48248	Douglas A-26 Canopy & Wheel Hub Masks for Monogram	\$6.99	CEBM48098	He 129 Canopy & Wheel Hub Masks for ESCI/AMT	\$5.99
CEBM48372	B13 Jake Canopy & Wheel Hub Masks for Nichimo	\$5.99	CEBM48099	He 129 Canopy & Wheel Hub Masks for Hasegawa	\$6.99
CEBM48218	BA-6B Canopy & Wheel Hub Masks for Revell/Monogram	\$6.99	CEBM48099	He 129 Wheel Hub Masks for TDA8083	\$1.75
CEBM48252	Beardie IVP Canopy & Wheel Hub Masks for Heller	\$5.99	CEBM48211	Harrier Canopy & Wheel Hub Masks for Academy	\$5.99
CEBM48048	B-10D Canopy & Wheel Hub Masks for Monogram	\$5.99	CEBM48100	Harmonie Camouflage Masks ("A" Scheme)	\$11.99
CEBM48049	B-10B Canopy & Wheel Hub Masks for Monogram	\$5.99	CEBM48317	Harmonie Camouflage Masks ("B" Scheme)	\$11.99
CEBM48050	B-102 Canopy & Wheel Hub Masks for Monogram	\$5.99	CEBM48101	Harmonie Canopy & Wheel Hub Masks for Hasegawa	\$5.99
CEBM48304	B-103D Canopy & Wheel Hub Masks for Monogram	\$5.99	CEBM48426	Harmonie Canopy & Wheel Hub Masks for Hobbycraft	TBR
CEBM48051	B-105FG Canopy & Wheel Hub Masks for Monogram	\$5.99	CEBM48102	Harmonie Wheel Hub Masks for TDA8327/46027	\$1.75
CEBM48328	B-105 Canopy & Wheel Hub Masks for Monogram	\$5.99	CEBM48103	I-16 Wheel Hub Masks for TDA8034/6040	\$1.75
CEBM48052	B-111/BF-111 Canopy & Wheel Hub Masks for Academy	\$5.99	CEBM48104	IAR-83IAR-81 Wheel Hub Masks for TDA8075	\$1.75
CEBM48405	B-117A Canopy & Wheel Hub Masks for Academy	\$5.99	CEBM48224	I-2 (Single Seater) Canopy Masks for Accurate Miniatures	\$5.99
CEBM48404	B-117A Canopy & Wheel Hub Masks for Monogram	\$5.99	CEBM48251	I-2 (Two Seater) Canopy Masks for Accurate Miniatures	\$5.99
CEBM48403	B-117A Canopy & Wheel Hub Masks for Tamiya	\$5.99	CEBM48105	I-2 Wheel Hub Masks for TDA8094	\$1.75
CEBM48241	B-117A RAM Repair Panels for any kit	\$4.99	CEBM48346	J2M Jack/Raiden Canopy & Wheel Hub Masks for Otaki/Airi	\$4.99
CEBM48211	B-14A/D Canopy Masks for Hasegawa	\$6.99	CEBM48106	J2M Jack/Raiden Wheel Hub Masks for TDA8253/46036	\$1.75
CEBM48246	B-14D Canopy & Wheel Hub Masks for Revell	\$6.99	CEBM48371	J2M Jack/Raiden Canopy & Wheel Hub Masks for Tamiya	\$4.99
CEBM48217	B-15A/C Canopy & Wheel Hub Masks for Hasegawa	\$6.99	CEBM48251	Jaguar A Canopy & Wheel Hub Masks for Heller	\$5.99
CEBM48053	B-15C/D Wheel Hub Masks for TDA8034/6035	\$1.75	CEBM48274	Ju 188B-1 Canopy & Wheel Hub Masks for DML/Deagon	\$8.99
CEBM48219	B-15H Canopy & Wheel Hub Masks for Hasegawa	\$6.99	CEBM48107	Ju 52 6162/63/65 Splitter Masks	\$14.99
CEBM48356	B-16B/C Canopy & Wheel Hub Masks for Italeri	\$5.99	CEBM48108	Ju 52 7071/65 Splitter Masks per Luftwaffe Technical Order	\$13.99
CEBM48054	B-16C Canopy & Wheel Hub Masks for Hasegawa	\$5.99	CEBM48109	Ju 52 7071/65 Splitter Masks	\$13.99
CEBM48055	B-16C Canopy & Wheel Hub Masks for Italeri	\$5.99	CEBM48110	Ju 52 Canopy & Wheel Hub Masks for ProModeler	\$8.99
CEBM48056	B-18A/C Canopy & Wheel Hub Masks for Hasegawa	\$5.99	CEBM48410	Ju 87 Canopy & Wheel Hub Masks for Airfix	TBR
CEBM48406	B-22 Canopy & Wheel Hub Masks for Italeri	TBR	CEBM48111	Ju 87B 7071 Splitter Masks	\$11.99
CEBM48342	B-4B/C/D/B/G/G/S Canopy & Wheel Hub Masks for Hasegawa	\$6.99	CEBM48112	Ju 87B Stuka Canopy & Wheel Hub Masks for Hasegawa	\$5.99
CEBM48057	B-4B/N Wheel Hub Masks for TDA8053	\$1.75	CEBM48113	Ju 87B Wheel Hub Masks for TDA8059/46052	\$1.75
CEBM48058	B-4C/D/B/VG Wheel Hub Masks for TDA8043	\$1.75	CEBM48319	Ju 87D 7071 Camouflage Masks	\$9.99
CEBM48208	B-4C/D/J Canopy & Wheel Hub Masks for Monogram	\$6.99	CEBM48277	Ju 87D Canopy & Wheel Hub Masks for Hasegawa	\$6.99
CEBM48386	B-4J (VF-194) Ferns Scheme Camouflage Masks	\$10.99	CEBM48114	Ju 87DNG Wheel Hub Masks for TDA8055/46060	\$1.75
CEBM48059	B-4J/S Wheel Hub Masks for TDA8051/46051	\$1.75	CEBM48115	Ju 88A Canopy & Wheel Hub Masks for Dragon/DML	\$4.99
CEBM48227	B-4K/M Canopy & Wheel Hub Masks for Hasegawa	\$6.99	CEBM48116	Ju 88A-40 G-6 & Ju 188 Wheel Hub Masks for TDA8029	\$1.75
CEBM48060	B-5E Canopy & Wheel Hub Masks for Monogram	\$5.99	CEBM48117	Ju 88C Canopy & Wheel Hub Masks for Dragon/DML	\$7.99
CEBM48209	B-5F Canopy & Wheel Hub Masks for Monogram	\$5.99	CEBM48440	Kfir Canopy & Wheel Hub Masks for ESCI	TBR
CEBM48061	B-8 Crusader Canopy & Wheel Hub Masks for Monogram	\$5.99	CEBM48118	Ki-27 Nate Type 97 Wheel Hub Masks for TDA8095	\$1.75
CEBM48212	B-80 Canopy & Wheel Hub Masks for Monogram	\$5.99	CEBM48331	Ki-43 Hayabusa/Oscar Canopy & Wheel Hub Masks for Fine Models	\$3.99
CEBM48062	B-80T-33 Wheel Hub Masks for TDA8068	\$1.75	CEBM48119	Ki-43 Oscar/Hayabusa Type 1 Wheel Hub Masks for TDA8021/46021	\$1.75
CEBM48063	B-80T-33 Wheel Hub Masks for TDA8069	\$1.75	CEBM48327	Ki-44 Shoki/Tajo Canopy Masks for Otaki/Airi	\$5.99
CEBM48401	B-84B Canopy & Wheel Hub Masks for DEC48165 (Tamiya)	\$5.99	CEBM48334	Ki-45 Nick/Tony Type 2 Canopy & Wheel Hub Masks for Nichimo	\$5.99
CEBM48402	B-84C Canopy & Wheel Hub Masks for DEC48166 (ProModeler)	\$5.99	CEBM48120	Ki-45 Nick/Tony Type 2 Wheel Hub Masks for TDA8081	\$1.75
CEBM48065	B-84B/G Canopy & Wheel Hub Masks for Tamiya	\$5.99	CEBM48121	Ki-46 Diana Type 100 Wheel Hub Masks for TDS8103	\$1.75
CEBM48064	B-84F Canopy & Wheel Hub Masks for Monogram	\$5.99	CEBM48375	Ki-51 Sonia Type 99 Canopy & Wheel Hub Masks for Nichimo	\$3.99
CEBM48370	B-84G Canopy & Wheel Hub Masks for ProModeler/Revell	\$5.99	CEBM48339	Ki-61 Hien/Tony Canopy & Wheel Hub Masks for Otaki/Airi	\$3.99
CEBM48066	B-86 Wheel Hub Masks for TDA8087	\$1.75	CEBM48122	Ki-63Ki-100 Tony/Hien Canopy & Wheel Hub Masks for Hasegawa	\$3.99
CEBM48067	B-86 Wheel Hub Masks for TDA8090	\$1.75	CEBM48123	Ki-63Ki-100 Tony/Hien Wheel Hub Masks for TDA8055/46059	\$1.75
CEBM48068	B-86B/F Canopy & Wheel Hub Masks for Academy	\$5.99	CEBM48301	Ki-64 Frank Canopy & Wheel Hub Masks for Hasegawa	\$3.99
CEBM48222	B-86F Canopy & Wheel Hub Masks for Hasegawa	\$5.99	CEBM48338	Ki-64 Frank Canopy & Wheel Hub Masks for Otaki/Airi	\$3.99
CEBM48378	B-89C Canopy & Wheel Hub Masks for Revell	\$5.99	CEBM48124	Ki-84 Frank/Hayne Type 4 Wheel Hub Masks for TDA8002/46020	\$1.75
CEBM48353	BVA-18 & RF-18 Canopy & Wheel Hub Masks for Italeri	\$5.99	CEBM48324	Ki-84 Hayate/Frank Canopy & Wheel Hub Masks for Otaki/Airi	\$3.99
CEBM48264	BVA-18 Wheel Hub Masks for Pacagon 48128	\$1.75	CEBM48424	Ki-84 Hayate/Frank Canopy & Wheel Hub Masks for Tamiya	TBR
CEBM48069	BZA Wheel Hub Masks for TDA8073	\$1.75	CEBM48125	La-5 Wheel Hub Masks for TDA8097	\$1.75
CEBM48435	F3F Canopy, "V" Stripe & Fuselage Stripe Masks for Accurate Miniatures	TBR	CEBM48126	La-5/3/7 & Yak-35 & MIG-3 Wheel Hub Masks for TDA8254	\$1.75
CEBM48396	F3F-1 Canopy & Wheel Hub Masks for Accurate Miniatures	\$4.99	CEBM48268	Lancaster Wheel Hub Masks for Tamiya	\$11.99
CEBM48070	F4D-1 Canopy & Wheel Hub Masks for Tamiya	\$1.75	CEBM48263	Lancaster Wheel Hub Masks for Pacagon 48129	\$1.75
CEBM48071	F4F Wheel Hub Masks for TDA8014/46013	\$1.75	CEBM48127	Lancaster Wheel Hub Masks for TDA8049	\$2.99
CEBM48377	F4U-1 "Bird Cage" Canopy & Wheel Hub Masks for Tamiya	\$4.99	CEBM48303	Lysander Canopy & Wheel Hub Masks for Hawk/Tenors	\$4.99
CEBM48389	F4U-1 Birdcage Canopy & Wheel Hub Masks for Hobbycraft	\$5.99	CEBM48128	Lysander Wheel Hub Masks for TDA8029	TBR
CEBM48322	F4U-1A Canopy & Wheel Hub Masks for Otaki/Airi	\$5.99	CEBM48441	M/C.202/M.C.205 Canopy & Wheel Hub Masks for Taro	TBR
CEBM48408	F4U-1D Canopy & Wheel Hub Masks for Tamiya	TBR	CEBM48340	M61 Seirin Canopy Masks for Tamiya	\$3.99
CEBM48072	F4U/VF8 Wheel Hub Masks for TDA8013	\$1.75	CEBM48129	Maachi MC 202/202/205 & Fiat G.55 Wheel Hub Masks for TDA8051	\$1.75
CEBM48325	F6F-3 Canopy & Wheel Hub Masks for Otaki/Airi	\$5.99	CEBM48130	Maachi MC 202 Canopy & Wheel Hub Masks for Hasegawa	\$3.99
CEBM48073	F6F-3S Canopy & Wheel Hub Masks for Hasegawa	\$5.99	CEBM48343	MB 339A Canopy & Wheel Hub Masks for FineModels	\$3.99
CEBM48074	F6F/V4U Wheel Hub Masks for TDA8045	\$1.75	CEBM48419	MD-500 Canopy Masks for Fujimi	TBR
CEBM48076	F7F-2/3 Canopy & Wheel Hub Masks for AMT	\$5.99	CEBM48423	MD-500 Canopy Masks for Hasegawa	TBR
CEBM48075	F7F-2/3 Wheel Hub Masks for TDA8091	\$1.75	CEBM48229	Me 163B Canopy & Wheel Hub Masks for TriMaster	\$5.99
CEBM48349	F7F-3N Canopy Masks for AMT/ERTL	\$4.99	CEBM48311	Me 163S Canopy & Wheel Hub Masks for TriMaster	\$6.99
CEBM48384	F7U Cullane Canopy & Wheel Hub Masks for Hobbycraft	\$4.99	CEBM48312	Me 262 RLM 74/75 Camouflage Masks	\$11.99
CEBM48078	F8F-1/2 Beecham Canopy & Wheel Hub Masks for Hobbycraft	\$1.75	CEBM48250	Me 262 RLM 81/82 Camouflage Masks	\$12.99
CEBM48077	F8F-1/2 Wheel Hub Masks for TDA8076	\$1.75	CEBM48132	Me 262 Wheel Hub Masks for TDA8061	\$1.75
CEBM48354	F1156 Storch/MS-500 Cooper Canopy & Wheel Hub Masks for ESCI	\$5.99	CEBM48414	Me 262A Canopy & Wheel Hub Masks for Dragon/TriMaster	TBR
CEBM48429	Fiat G.91 Canopy & Wheel Hub Masks for ESCI	\$1.75	CEBM48409	Me 262A Canopy & Wheel Hub Masks for Monogram	TBR
CEBM48314	FJ-4B Fury Canopy & Wheel Hub Masks for Matchbox	\$5.99	CEBM48131	Me 262A Reich Defense Bands Masks for DML/Deagon/TriMaster	\$13.99
CEBM48079	Fw 190A "Flar" Canopy & Wheel Hub Masks for Tamiya	\$5.99	CEBM48430	Me 262A Canopy & Wheel Hub Masks for Czech Model	TBR
CEBM48292	Fw 190A Camouflage Masks	\$12.99	CEBM48295	Me 410 Canopy & Wheel Hub Masks for ProModeler	\$4.99
CEBM48211	Fw 190A Canopy & Wheel Hub Masks for DML	\$5.99	CEBM48133	Meteor 1 Canopy & Wheel Hub Masks for Tamiya	\$3.99
CEBM48080	Fw 190A Reich Defense Bands Masks for Tamiya	\$12.99	CEBM48134	MIG-15 Canopy & Wheel Hub Masks for Tamiya	\$3.99
CEBM48081	Fw 190A-1A-7 Wheel Hub Masks for TDA8022/46023	\$1.75	CEBM48135	MIG-15 Wheel Hub Masks for TDA8102	\$1.75
CEBM48321	Fw 190A-8 Canopy & Wheel Hub Masks for Otaki/Airi	\$5.99	CEBM48136	MIG-17 Canopy & Wheel Hub Masks for SMER	\$3.99
CEBM48082	Fw 190A-8 to D-12 Wheel Hub Masks for TDA8011	\$1.75	CEBM48234	MIG-21MF Canopy & Wheel Hub Masks for Academy	\$3.99
CEBM48083	Fw 190D "Blown" Canopy & Wheel Hub Masks for Tamiya	\$5.99	CEBM48235	MIG-21PF Canopy & Wheel Hub Masks for Academy	\$3.99
CEBM48232	Fw 190D Canopy & Wheel Hub Masks for DML	\$5.99	CEBM48448	MIG-21MIG-27 Canopy & Wheel Hub Masks for ESCI	TBR
CEBM48084	Fw 190D Reich Defense Bands Masks for Tamiya	\$12.99	CEBM48137	MIG-29 Canopy & Wheel Hub Masks for Academy	\$3.99
CEBM48291	Fw 190D-9 Camouflage Masks	\$15.99	CEBM48207	MIG-29UB Canopy & Wheel Hub Masks for Academy	\$3.99
CEBM48360	Fw 190G Canopy & Wheel Hub Masks for ProModeler (new version)	\$4.99	CEBM48361	MIG-3 Canopy & Wheel Hub Masks for ICM	\$4.99
CEBM48249	G4M Betty Canopy & Wheel Hub Masks for Tamiya	\$8.99	CEBM48214	Ming-200C Canopy & Wheel Hub Masks for Heller	\$6.99
CEBM48085	G4M1 Betty Wheel Hub Masks for TDA8099	\$1.75	CEBM48444	Ming-3 P.1 Canopy & Wheel Hub Masks for ESCI	TBR
CEBM48413	Gauche Canopy Masks for Fujimi	TBR	CEBM48437	Ming-3V Canopy & Wheel Hub Masks for Heller	TBR
CEBM48312	H-34/Wessex Canopy & Wheel Hub Masks for Revell	\$5.99	CEBM48335	Monark (P-36) RAP Scheme Camouflage Masks	\$4.99

Paint masks?

(over 700 so far!)

**Accurate, precut paint masking sets
for popular modeling subjects!**

Patents pending

CEBM48138	Mosquito Fighter Canopy & Wheel Hub Masks for Tamiya	\$7.99	CEBM48198	Typhoon "Car Door" Canopy & Wheel Hub Masks for Hasegawa	\$5.99	CEBM72012	B-52A-H Wheel Hub Masks for TD7201245018	\$3.49	
CEBM48265	Mosquito Wheel Hub Masks for Paragon 48112	\$1.75	CEBM48199	Typhoon Bobbie Canopy & Wheel Hub Masks for Hasegawa	\$5.99	CEBM72048	B-52D Canopy & Wheel Hub Masks for Monogram	\$5.99	
CEBM48266	Mosquito Wheel Hub Masks for Paragon 48113	\$1.75	CEBM48200	Typhoon Camouflage Masks for Hasegawa	\$12.99	CEBM72088	Beaufighter Canopy & Wheel Hub Masks for Hasegawa	\$4.99	
CEBM48139	Mosquito Wheel Hub Masks for TD48017	\$1.75	CEBM48201	Typhoon D-Day Stripes for Hasegawa	\$13.99	CEBM72013	Beaufort Wheel Hub Masks for TD7201345022	\$1.75	
CEBM48140	Mosquito Wheel Hub Masks for TD48093	\$1.75	CEBM48202	Typhoon ID Stripes for Hasegawa	\$13.99	CEBM72014	Bf 109B/G-1 Wheel Hub Masks for TD72004	\$1.75	
CEBM48299	MS-406 Canopy & Wheel Hub Masks for Hobbycraft	\$5.99	CEBM48203	Typhoon/Tempest Wheel Hub Masks for TD4803646037	\$1.75	CEBM72111	Bf 109G Canopy & Wheel Hub Masks for Academy	TBR	
CEBM48141	MS-406/MS-410 Wheel Hub Masks for TD48071	\$1.75	CEBM48204	U-2C Canopy & Wheel Hub Masks for Hawk/Tests/Italeri	TBR	CEBM72057	Bf 109G-10/K Canopy & Wheel Hub Masks for Revell/Monogram	\$4.99	
CEBM48164	Mustang (P-51) RAF Camouflage Masks (Scheme "A")	\$9.99	CEBM48205	UH-1D Canopy Masks for Italeri	\$5.99	CEBM72015	Bf 109G-10/K-4 Wheel Hub Masks for TD72014	\$1.75	
CEBM48366	Mustang (P-51) RAF Camouflage Masks (Scheme "B")	\$9.99	CEBM48206	UH-1N Canopy Masks for Italeri	\$5.99	CEBM72061	Bf 109G-6 "Flat" Canopy & Wheel Hub Masks for Hasegawa	\$4.99	
CEBM48367	Mustang (P-51) RAF Camouflage Masks (Scheme "C")	\$9.99	CEBM48207	Vampire 2-Seater Canopy & Wheel Hub Masks for Hobbycraft	\$5.99	CEBM72059	Bf 109G/K "Bla" Canopy & Wheel Hub Masks for Hasegawa	\$4.99	
CEBM48368	Mustang (P-51) RAF Camouflage Masks (Scheme "D")	\$9.99	CEBM48208	Vampire Canopy & Wheel Hub Masks for Hobbycraft	\$4.99	CEBM72016	Bf 110G/TG Wheel Hub Masks for TD72022	\$1.75	
CEBM48329	N1K1-J Shiden/George Canopy & Wheel Hub Masks for Otoki/Ari	\$5.99	CEBM48209	Vampire Canopy & Wheel Hub Masks for Italeri	TBR	CEBM72063	Bf 110G Canopy & Wheel Hub Masks for Italeri	\$5.99	
CEBM48142	N1K2 George Wheel Hub Masks for TD4804046041	\$1.75	CEBM48210	Viggen Canopy & Wheel Hub Masks for ESCI	TBR	CEBM72083	C-119G Canopy & Wheel Hub Masks for Italeri	\$5.99	
CEBM48412	O-14L-19 Canopy & Wheel Hub Masks for ModelUSA	TBR	CEBM48211	Westland Wasp Canopy & Wheel Hub Masks for Fujimi	TBR	CEBM72086	C-130AC-130 Canopy & Wheel Hub Masks for Italeri/Tests	\$6.99	
CEBM48392	O8-13 Canopy Masks for Italeri	\$5.99	CEBM48212	Westland Whitehead Camouflage Masks for Classic Airframes	\$10.99	CEBM72093	C-45/Beech 18 Canopy & Wheel Hub Masks for Hobbycraft	\$4.99	
CEBM48417	O8-58 Canopy & Wheel Hub Masks for ESCI	TBR	CEBM48213	Westland Whitehead Canopy & Wheel Hub Masks for Classic Airframes	\$5.99	CEBM72017	C-47/DC-3 Wheel Hub Masks for TD72021	\$1.75	
CEBM48318	O8-6 Canopy Masks for Academy	\$6.99	CEBM48214	X-1 Canopy & Wheel Hub Masks for Eduard	\$4.99	CEBM72102	DBC-4 Caribou Canopy & Wheel Hub Masks for Hobbycraft	\$4.99	
CEBM48238	O8-2U Canopy & Wheel Hub Masks for Monogram/ProModeler	\$8.99	CEBM48215	Yak-1 Canopy Masks for Accurate Miniatures	\$5.99	CEBM72018	Do 17Z Wheel Hub Masks for TD72030	\$1.75	
CEBM48143	P-26, P-6 Wheel Hub Masks for TD4804245043	\$1.75	CEBM48216	Yak-15 Canopy & Wheel Hub Masks for Czech Master	\$4.99	CEBM72066	P-100D Canopy & Wheel Hub Masks for ESCI/AMT	\$4.99	
CEBM48215	P-36 Canopy & Wheel Hub Masks for Hobbycraft	\$5.99	CEBM48217	Yak-3 Canopy & Wheel Hub Masks for Eduard	\$5.99	CEBM72094	P-103D Canopy & Wheel Hub Masks for Italeri	\$4.99	
CEBM48144	P-38 Wheel Hub Masks for TD48007	\$1.75	CEBM48218	Yak-7V Canopy & Wheel Hub Masks for ICM	\$4.99	CEBM72056	P-104A/C Canopy & Wheel Hub Masks for Revell/Monogram	\$4.99	
CEBM48145	P-38 Wheel Hub Masks for TD48263	\$1.75	CEBM48219	Yak-9 Canopy & Wheel Hub Masks for ICM	\$4.99	CEBM72055	P-104J Canopy & Wheel Hub Masks for Hasegawa	\$4.99	
CEBM48146	P-38JL Canopy & Wheel Hub Masks for Academy	\$5.99	CEBM48220			CEBM72076	P-105F Canopy & Wheel Hub Masks for Monogram	\$5.99	
CEBM48239	P-38JL Canopy & Wheel Hub Masks for Academy	\$5.99	CEBM48221			CEBM72070	P-111B/F-111 Canopy & Wheel Hub Masks for Hasegawa	\$4.99	
CEBM48310	P-38JL D-Day Stripes for Hasegawa	\$12.99	CEBM48222			CEBM72114	P-14D Canopy & Wheel Hub Masks for Hasegawa	TBR	
CEBM48147	P-38JL D-Day Stripes Masks for Academy	\$13.99	CEBM48223			CEBM72113	P-14D Canopy & Wheel Hub Masks for Revell	TBR	
CEBM48148	P-39 Canopy & Wheel Hub Masks for Monogram	\$5.99	CEBM48224			CEBM72058	P-4 (any US version) Canopy & Wheel Hub Masks for Hasegawa	\$4.99	
CEBM48314	P-39 RAF Style Camouflage Masks	\$9.99	CEBM48225			CEBM72019	P-48N Wheel Hub Masks for TD720745013	\$1.75	
CEBM48149	P-39 Wheel Hub Masks for TD4801249011	\$1.75	CEBM48226			CEBM72020	P-4C/D/E/F/G Wheel Hub Masks for TD7200645011	\$1.75	
CEBM48150	P-39 Wheel Hub Masks for TD48092	\$1.75	CEBM48227			CEBM72108	P-4J (VF-194) Fennix Scheme Camouflage Masks	\$8.99	
CEBM48151	P-40P-35P-36 Wheel Hub Masks for TD48020	\$1.75	CEBM48228			CEBM72021	P-4J/S Wheel Hub Masks for TD7200945015	\$1.75	
CEBM48307	P-40B Canopy & Wheel Hub Masks for Monogram	\$5.99	CEBM48229			CEBM72077	P-82 Canopy & Wheel Hub Masks for Monogram	\$5.99	
CEBM48152	P-40B/C Canopy & Wheel Hub Masks for Hobbycraft	\$5.99	CEBM48230			CEBM72097	P-84G Canopy & Wheel Hub Masks for Tamiya	\$5.99	
CEBM48153	P-40B/C RAIN/AVG Camouflage Masks for Hobbycraft	\$12.99	CEBM48231			CEBM72022	P-94C Wheel Hub Masks for TD72029	\$1.75	
CEBM48154	P-40B/C RAIN/AVG Camouflage Masks for Monogram	\$12.99	CEBM48232			CEBM72023	P-9F Wheel Hub Masks for TD72011	\$1.75	
CEBM48337	P-40B Canopy & Wheel Hub Masks for Otoki/Ari	\$5.99	CEBM48233			CEBM72024	P-9F Wheel Hub Masks for TD72025	\$1.75	
CEBM48155	P-40B/M Wheel Hub Masks for TD48015	\$1.75	CEBM48234			CEBM72060	Pw 190A Canopy & Wheel Hub Masks for Hasegawa	\$4.99	
CEBM48156	P-40B/N Wheel Hub Masks for TD48055	\$1.75	CEBM48235			CEBM72025	Pw 190A-1 to A-7 Wheel Hub Masks for TD7201945027	\$1.75	
CEBM48336	P-40K Canopy & Wheel Hub Masks for AMT/ERTL	\$5.99	CEBM48236			CEBM72026	Pw 190A-8/D-12 Wheel Hub Masks for TD72031	\$1.75	
CEBM48157	P-40N Canopy & Wheel Hub Masks for AMT	\$5.99	CEBM48237			CEBM72087	Pw 200 Kondor (Civil) Canopy & Wheel Hub Masks for Revell	\$7.99	
CEBM48236	P-40N Canopy & Wheel Hub Masks for Matchbox	\$5.99	CEBM48238			CEBM72105	H-21 Canopy & Wheel Hub Masks for Italeri	\$4.99	
CEBM48159	P-47 Wheel Hub Masks for TD48009	\$1.75	CEBM48239			CEBM72104	H-34 Canopy & Wheel Hub Masks for Italeri	\$4.99	
CEBM48160	P-47 Wheel Hub Masks for TD48026	\$1.75	CEBM48240			CEBM72089	Halifax III Canopy & Wheel Hub Masks for Matchbox	\$5.99	
CEBM48390	P-47D Bubbletop Canopy & Wheel Hub Masks for Academy	\$4.99	CEBM48241			CEBM72085	He 111 Canopy & Wheel Hub Masks for Italeri	\$5.99	
CEBM48431	P-47D Bubbletop Canopy & Wheel Hub Masks for Monogram/ProModeler	TBR	CEBM48242			CEBM72027	He 111 Wheel Hub Masks for TD72024	\$1.75	
CEBM48399	P-47D Bubbletop D-Day Stripes for Hasegawa	\$12.99	CEBM48243			CEBM72028	He 219 Wheel Hub Masks for TD7201345020	\$1.75	
CEBM48377	P-47D Canopy & Wheel Hub Masks for Hasegawa	\$4.99	CEBM48244			CEBM72069	He 129 Canopy & Wheel Hub Masks for Airfix	\$4.99	
CEBM48158	P-47D Razorback Canopy & Wheel Hub Masks for Hasegawa	\$5.99	CEBM48245			CEBM72106	HUP-2CH-25 Canopy & Wheel Hub Masks for Intervia	\$4.99	
CEBM48451	P-47D Razorback Canopy & Wheel Hub Masks for Monogram	\$4.99	CEBM48246			CEBM72029	Hurricane Wheel Hub Masks for TD72041	\$1.75	
CEBM48350	P-47D Razorback Canopy & Wheel Hub Masks for Otoki/Ari	\$12.99	CEBM48247			CEBM72090	Ju 86 (Civil) Canopy & Wheel Hub Masks for Revell	\$7.99	
CEBM48262	P-47D Razorback D-Day Stripes for Hasegawa	\$5.99	CEBM48248			CEBM72030	Ju 87D-G Wheel Hub Masks for TD72038	\$1.75	
CEBM48161	P-47N Canopy & Wheel Hub Masks for Academy	\$5.99	CEBM48249			CEBM72051	Ju 88A-4 to G-6 & Ju 188 Wheel Hub Masks for TD72027	\$1.75	
CEBM48244	P-47N Canopy & Wheel Hub Masks for ProModeler	\$5.99	CEBM48250			CEBM72050	KC-135 Canopy & Wheel Hub Masks for AMT/ERTL	\$5.99	
CEBM48162	P-51 Wheel Hub Masks for TD48008	\$1.75	CEBM48251			CEBM72032	KC-135 Wheel Hub Masks for TD72002	\$2.99	
CEBM48163	P-51 Wheel Hub Masks for TD48025	\$1.75	CEBM48252			CEBM72033	Ki-44 Tony/Shoki Type 2 Wheel Hub Masks for TD72045	\$1.75	
CEBM48243	P-51B Canopy & Wheel Hub Masks for Accurate Miniatures	\$5.99	CEBM48253			CEBM72034	Ki-61 Tony/Hien Type 3 Wheel Hub Masks for TD72039	\$1.75	
CEBM48308	P-51B/C Canopy & Wheel Hub Masks for Tamiya	\$5.99	CEBM48254			CEBM72035	Macchi 200/202/205 & Fiat G.50 Wheel Hub Masks for TD72035	\$1.75	
CEBM48302	P-51B/C D-Day Stripes for Accurate Miniatures	\$12.99	CEBM48255			CEBM72112	Mangusta Canopy & Wheel Hub Masks for Italeri	TBR	
CEBM48279	P-51B/C D-Day Stripes for Tamiya	\$5.99	CEBM48256			CEBM72068	Me 163B Canopy & Wheel Hub Masks for Heller	\$4.99	
CEBM48351	P-51D Canopy & Wheel Hub Masks for Otoki/Ari	\$5.99	CEBM48257			CEBM72071	Me 410 Canopy & Wheel Hub Masks for FineMolds	\$4.99	
CEBM48256	P-51D D-Day Stripes for Tamiya	\$12.99	CEBM48258			CEBM72067	MIG-21MF Canopy & Wheel Hub Masks for Fujimi	\$4.99	
CEBM48264	P-51DK Canopy & Wheel Hub Masks for Tamiya	\$5.99	CEBM48259			CEBM72062	MIG-21PF Canopy & Wheel Hub Masks for Fujimi	\$4.99	
CEBM48257	P-61 Canopy & Wheel Hub Masks for Monogram	\$8.99	CEBM48260			CEBM72095	Mosquito B.V. Canopy & Wheel Hub Masks for Hasegawa	\$4.99	
CEBM48165	P-61A/B & B-26A/B Wheel Hub Masks for TD48028	\$1.75	CEBM48261			CEBM72036	Mosquito Wheel Hub Masks for TD72003	\$1.75	
CEBM48213	P-61A/B D-Day Stripes for Monogram	\$12.99	CEBM48262			CEBM72074	OV-10 Canopy & Wheel Hub Masks for Academy	\$4.99	
CEBM48166	P-61B/C & B-26B/C Wheel Hub Masks for TD4803846039	\$1.75	CEBM48263			CEBM72037	P-38 Wheel Hub Masks for TD7200145006	\$1.75	
CEBM48442	P-63C Canopy & Wheel Hub Masks for MPM	TBR	CEBM48264			CEBM72038	P-40E-M Wheel Hub Masks for TD72010	\$1.75	
CEBM48262	Parasite Tornado Wheel Hub Masks for Paragon 48011	\$1.75	CEBM48265			CEBM72039	P-47 Wheel Hub Masks for TD7200545010	\$1.75	
CEBM48167	PBY-5 Heaching Gear Wheel Hub Masks for TD48093	\$5.99	CEBM48266			CEBM72040	P-51 Wheel Hub Masks for TD72003	\$1.75	
CEBM48168	PBY-5 Catalina Canopy & Wheel Hub Masks for ProModeler	\$4.99	CEBM48267			CEBM72078	P-61B Canopy & Wheel Hub Masks for Dragon/DML	\$5.99	
CEBM48169	PBY-5A Catalina Canopy & Wheel Hub Masks for ProModeler	\$4.99	CEBM48268			CEBM72084	P2V-7P-2 Neptune Canopy & Wheel Hub Masks for Hasegawa	\$5.99	
CEBM48170	PBY-5A Wheel Hub Masks for TD48101	\$1.75	CEBM48269			CEBM72100	PB4Y-1 Canopy & Wheel Hub Masks for Academy	\$7.99	
CEBM48171	PZL P.11A-C & P.24A-G Wheel Hub Masks for TD48074	\$1.75	CEBM48270			CEBM72091	PB4Y-2 Canopy & Wheel Hub Masks for Matchbox	\$7.99	
CEBM48182	PZL 37B Canopy & Wheel Hub Masks for Minge	\$5.99	CEBM48271			CEBM72041	PBY-5A Wheel Hub Masks for TD72037	\$1.75	
CEBM48381	R-4 Canopy & Wheel Hub Masks for Special Hobby	\$4.99	CEBM48272			CEBM72079	PV-1 Canopy & Wheel Hub Masks for Academy	\$4.99	
CEBM48425	Rafale A Canopy & Wheel Hub Masks for Heller	TBR	CEBM48273			CEBM72042	SB2C Wheel Hub Masks for TD72036	\$1.75	
CEBM48363	RAH-66 Comanche Helicopter Canopy & Wheel Hub Masks for Heller	\$5.99	CEBM48274			CEBM72043	SBD Wheel Hub Masks for TD72032	\$1.75	
CEBM48258	S-3A Viking Canopy & Wheel Hub Masks for ESCI/AMT	\$5.99	CEBM48275			CEBM72115	SH-60B Canopy & Wheel Hub Masks for Italeri	TBR	
CEBM48220	SB2C Canopy & Wheel Hub Masks for ProModeler	\$4.99	CEBM48276			CEBM72044	Spitfire Mk IX Wheel Hub Masks for TD72018	\$1.75	
CEBM48172	SB2C Wheel Hub Masks for TD48065	\$1.75	CEBM48277			CEBM72096	Spitfire Mk IX/V Canopy & Wheel Hub Masks for Italeri	\$4.99	
CEBM48247	SB2U Vindicator Canopy & Wheel Hub Masks for HIPM	\$5.99	CEBM48278			CEBM72065	Spitfire VB Canopy & Wheel Hub Masks for Heller	\$4.99	
CEBM48233	SBD Canopy Masks for Accurate Miniatures	\$5.99	CEBM48279			CEBM72045	Spitfire XIV & Jinx Wheel Hub Masks for TD72040	\$1.75	
CEBM48173	SBD Wheel Hub Masks for TD4803845062	\$1.75	CEBM48280			CEBM72064	Su-22M Canopy & Wheel Hub Masks for Italeri	\$4.99	
CEBM48174	SBD-4 Canopy & Wheel Hub Masks for Hasegawa	\$5.99	CEBM48281			CEBM72092	TBM-1C Canopy & Wheel Hub Masks for Hasegawa	\$5.99	
CEBM48343	Sea Fury Canopy & Wheel Hub Masks for Hobbycraft	\$4.99	CEBM48282			CEBM72106	TH-55A Osage Canopy & Wheel Hub Masks for Special Hobby	\$5.99	
CEBM48175	Sea Fury Wheel Hub Masks for TD48041	\$1.75	CEBM48283			CEBM72109	Typhoon Canopy & Wheel Hub Masks for Special Hobby	TBR	
CEBM48434	Sea Harrier PRS.1 Canopy & Wheel Hub Masks for Airfix	TBR	CEBM48284			CEBM72110	UH-12 Canopy & Wheel Hub Masks for Academy	TBR	
CEBM48250	Sea King Canopy & Wheel Hub Masks for Hasegawa	\$5.99	CEBM48285			CEBM72107	UH-12 Canopy & Wheel Hub Masks for Special Hobby	\$5.99	
CEBM48216	Seafire Mk 46/47 Canopy & Wheel Hub Masks for Airfix	\$5.99	CEBM48286			CEBM72073	XB-35 Canopy & Wheel Hub Masks for AMT/ERTL	\$5.99	
CEBM48347	SH-2 Canopy & Wheel Hub Masks for Matchbox	\$1.75	CEBM48287			CEBM72075	XB-70 Canopy & Wheel Hub Masks for AMT	\$5.99	
CEBM48176	SM-79 Wheel Hub Masks for TD48082	\$1.75	CEBM48288						
CEBM48185	Spitfire Mk 22/24 Canopy & Wheel Hub Masks for Airfix	\$5.99	CEBM48289						
CEBM48177	Spitfire Mk 1-IX Wheel Hub Masks for TD48018	\$1.75	CEBM48290						
CEBM48178	Spitfire Mk 1-IX Wheel Hub Masks for TD48086	\$1.75	CEBM48291						
CEBM48179	Spitfire Mk V Camouflage Masks ("A" Scheme)	\$13.99	CEBM48292						
CEBM48180	Spitfire Mk V Camouflage Masks ("B" Scheme)	\$13.99	CEBM48293						
CEBM48181	Spitfire Mk V/VIII Canopy & Wheel Hub Masks for Tamiya	\$5.99	CEBM48294						
CEBM48320	Spitfire Mk VIII Canopy & Wheel Hub Masks for Otoki/Ari	\$5.99	CEBM48295						
CEBM48183	Spitfire Mk X to Mk 24 Wheel Hub Masks for TD4801646015	\$1.75	CEBM48296						
CEBM48182	Spitfire Mk XIV Canopy & Wheel Hub Masks for Academy	\$5.99	CEBM48297						
CEBM48436	Spitfire Mk XV Canopy & Wheel Hub Masks for Revell	TBR	CEBM48298						
CEBM48443	Spitfire Mk VII Canopy & Wheel Hub Masks for Airfix	TBR	CEBM48299						
CEBM48294	Spitfire XIV D-Day Stripes for Academy	\$11.99	CEBM48300						
CEBM48184	SR-71 Wheel Hub Masks for TD48100	\$1.75	CEBM48301						
CEBM48183	Su-22 Canopy & Wheel Hub Masks for KP	\$5.99	CEBM48302						
CEBM48438	Su-25 Canopy & Wheel Hub Masks for Monogram	TBR	CEBM48303						
CEBM48442	Su-25 Canopy & Wheel Hub Masks for OZ	TBR	CEBM48304						
CEBM48186	Su-27 Rancer B Canopy Masks for Academy	\$5.99	CEBM48305						
CEBM48190	Su-27 Russian/Ukrainian Gray/Blue Spinner Camouflage Masks	\$12.99	CEBM48306						
CEBM48187	Su-27UB Flanker C Canopy Masks for Academy	\$5.99	CEBM48307						
CEBM48449	Su-7 Canopy & Wheel Hub Masks for OZ/Airfix	TBR	CEBM48308						
CEBM48									

Pretty in Pink

Modifications to the Airfix Buccaneer

by Gary Hatcher



It would not be unreasonable to suppose that an aircraft with the character and history of the Buccaneer would excite enthusiasm amongst the kit manufacturers of the world. Alas not. The modelling community's yen for RAF types seems to have faded with the light of empire, and so those of us wishing to model the aircraft in 1/72 must be grateful (once again) to Airfix for their S.2B.

Not that it is without its faults. Neither is it the only kit around in this scale. The Frog Buccaneer crops up now and again, and the Matchbox kit is readily available, although it lacks so many parts that your scratch-building gland will have to work overtime. Matchbox's S.2B features a one-piece canopy, the customary deep panel lines and nothing whatsoever by way of under wing stores or pylons, while a quick glance inside a Frog boxing at a show revealed the same chief deficiencies as the Airfix kit, without any of the latter's advantages.

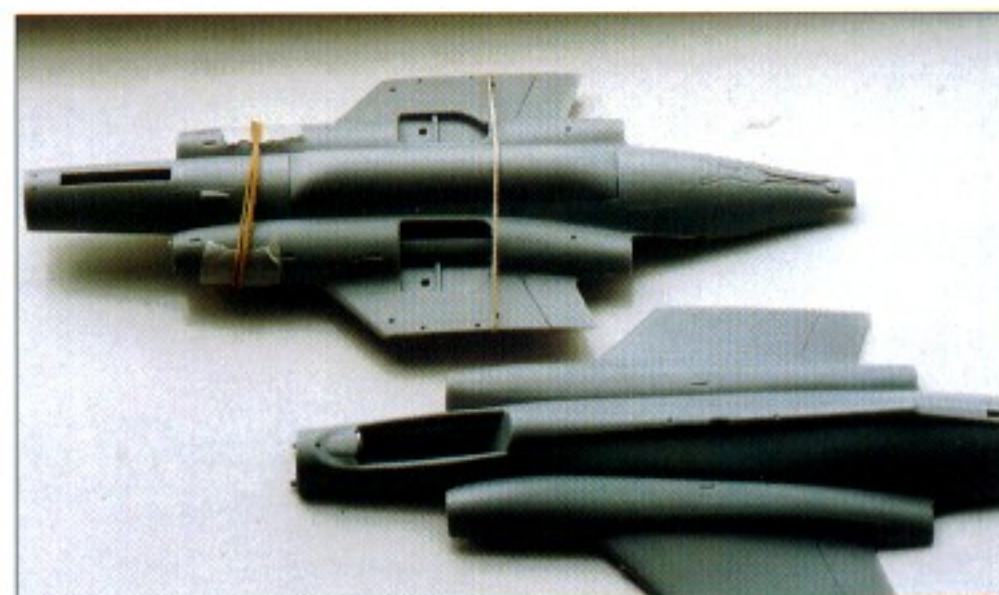
Construction

Construction started with the bomb bay insert and the joining of the fuselage halves. The Airfix kit features a choice of parts for either bulged or flat options. As I

was building a Desert Storm aircraft, I opted for the bulged section, which fitted well, and then glued the top and bottom fuselage parts together. The fit was not perfect but cleaned up easily enough.



The cockpit recess



Fitting the bulged bomb bay section

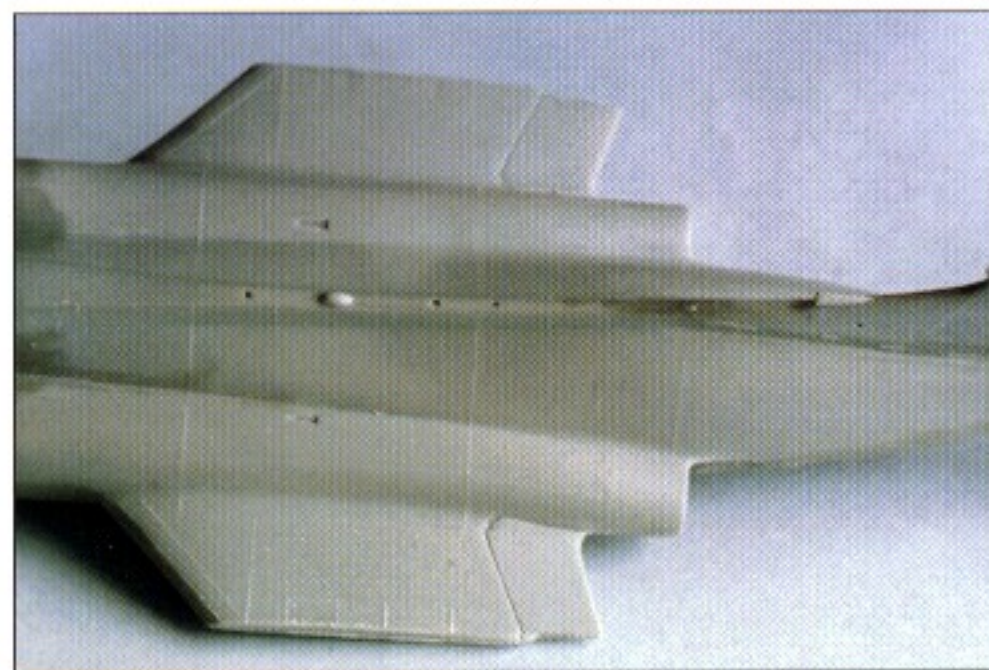


Airfix's S.2B features integrally moulded intake ducts, which results in nasty seam lines on the front of the pipes. Realising that I could never clean this up in a million years, I decided to replace them

with the parts from a scrapped Matchbox kit, which has the ducts moulded separately, including a very nice interpretation of the curved lips that are such a prominent feature on the aircraft. I



The fuselage halves are a poor fit, but nothing we can't cure with a bit of brute force



Holes for the aerials are best filled now. I didn't, and regretted it later

used a razor saw to remove the relevant sections from the Airfix fuselage, cutting along a raised panel line, and having first sprayed their interiors white, I attached the Matchbox parts, fairing them in with plenty of filler, and a great deal of sanding. They match up quite well with a bit of care, and the improvement is quite dramatic.

Tail and nose cones were added next - the fit of both was horrendous, and involved a lot more sanding and filling, but that's par for the course as far as my models are concerned.

Cockpit Interior

The Airfix fuselage features a built-in tub that provides an ideal basis for detailing. I applied my usual cursory application of decal spares and dots of paint, together with an instrument panel from a Modeldecalsheet. The ejector seats were detailed with harnesses and firing handles, and there are enough gubbins included in the kit to fill the cockpit up satisfactorily. Once the lid is on the



The intake duct is very poor. Note the nasty inaccessible seam within



Intake 'ductectomy' underway

desired effect is, as usual, achieved. Airfix provide a clear part for the navigator's blast shield, but it is quite thick, and anyone wishing to leave the cockpit open would probably want to replace it.

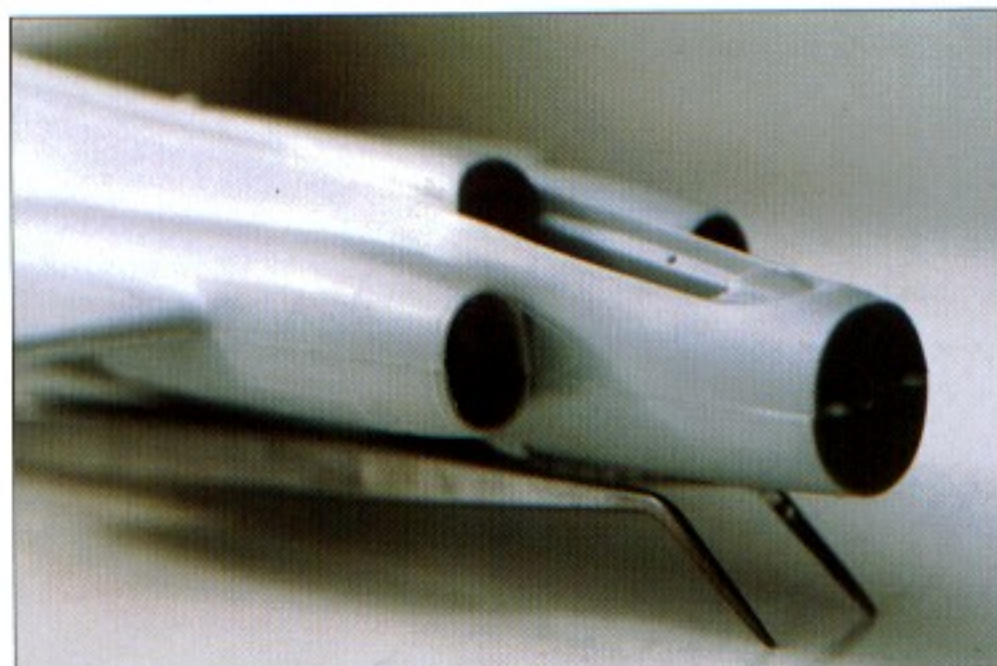
What in God's Name are you Doing Man!

I decided to fold the wings.

Modeldecalsheet 109 features some very fetching shots of XX899 with folded wings and an asymmetric stores fit. This looks so good that I decided nothing else would do. The Airfix wing join is a straight line, but having a spare pair of Matchbox wings, I opted to use these to save myself a job. Having spent some time attached to a paint-mix test-bed aircraft these wings required a night in a biscuit



Matchbox intake roughly taped to the Starboard side. Note how the Airfix rim runs into the fuselage side



Another view of the intake duct, fuselage halves are glued, but not cleaned up yet



Violence was done to the tailcone, which initially fitted dreadfully



The Matchbox intakes actually fit better than the Airfix nose



Fairing in the Matchbox ducts, at least we now have a complete rim and oh, those sensuous lips...



Starboard intake filled and sanded

tin with Mr Muscle to strip the paint off, but with a little hacking to the Airfix body an acceptable match was made - in the 'wings-up' position they do not look out of place. The wingtips were cut to the correct shape for a Gulf War machine, using the



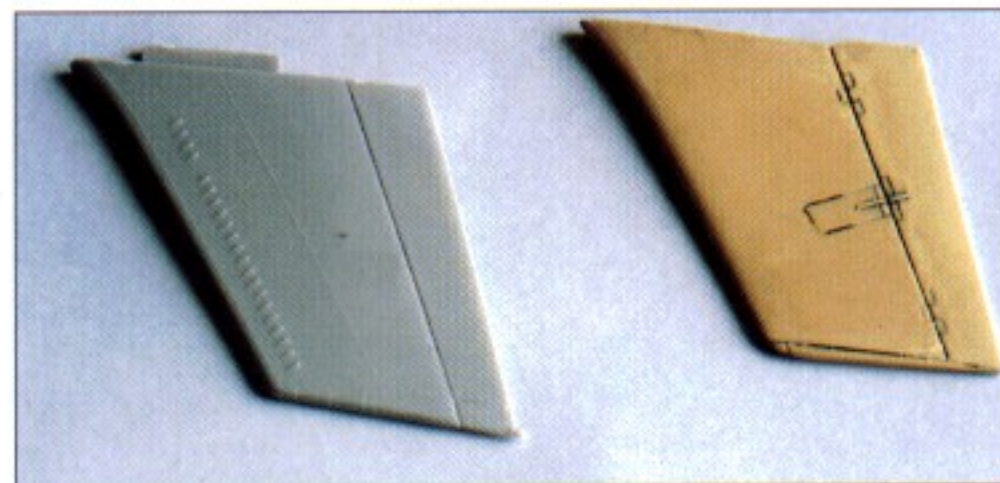
Duct transplant completed



The ejection seats detailed



Matchbox main gear (left) and Airfix (right)



The Airfix upper wing features moulded vortex generators, while the stepped Matchbox part (right) features engraved details. Note the Matchbox wing tip has been clipped, as seen on Desert Storm machines



Wing fold detailing commences

notes with Modeldecalsheet 109 for reference.

The wing fold detail was attended to next. Stretched sprue was glued around the edges of the wing stubs and faired in with filler, after which, enough bits of very questionable detailing were added, and various holes drilled. When the whole thing was painted dark grey, and ducts and cables pushed into the holes, the overall effect is convincing enough (to me at least), and with its wings folded, the model takes up about 50% less space in the cabinet, which is a bonus...

The wings sit on bent pieces of brass rod, which I have disguised with plastic tabs, the whole design being inspired by the Airfix Firefly, which features a similar method.

Undercarriage

Undercarriage and canopies are my two least favourite areas of modelling. I also think they are the two most important, as nothing lets a model down more than badly executed extremities.

The Airfix nose wheel is OK, but the main gear is moulded as one piece. I opted for the Matchbox parts, which at least feature separate wheels and legs.

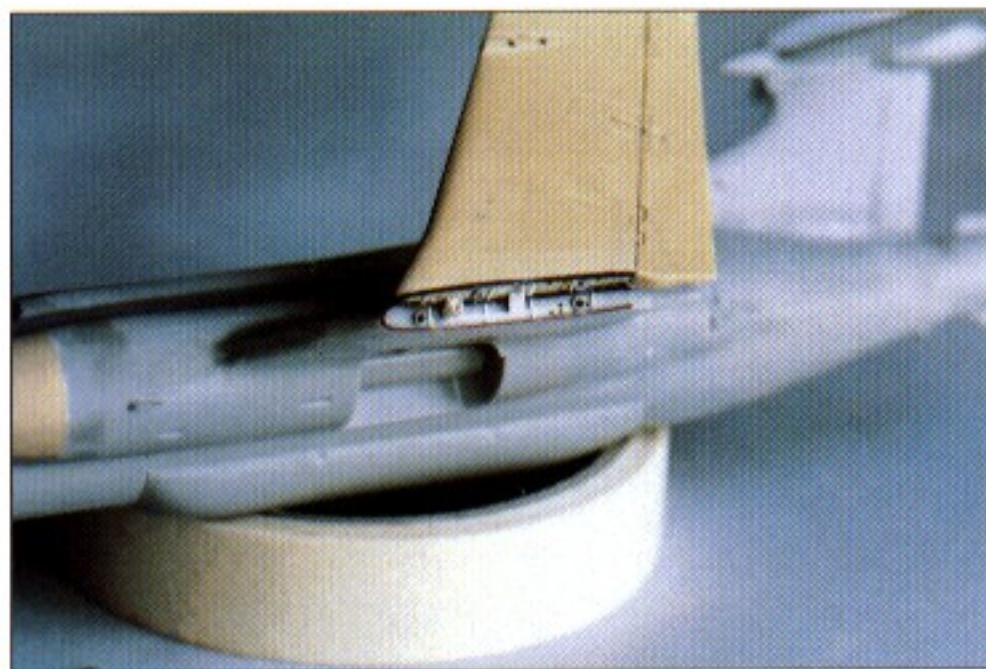
I am not a great user of after-market parts; not that many of them are not excellent in themselves, but by the time my twelve thumbs have finished basting them in superglue and sousing them with paint, little advantage seems to have been gained. Resin confounds me and brass will stick to nothing except my fingers. The exception to this seems to be whitmetal undercarriage sets. I had an Aeroclub nose wheel floating around from a previously abandoned project, which proved to be user friendly, and looks excellent. Subsequently I have acquired a full set of metal wheels and arrestor hook for the next S.2B, which are of similar quality. Highly recommended.



The Matchbox instrument panel fitted



The Matchbox kit (right) has been in use as a test bed for airbrush mixes and other dubious vivisection. Even by Matchbox's standards the panel lines are deep.



Trying the Matchbox wing on for size



Aircraft temporarily balanced on Airfix main gear to check the 'sit'. Note Aeroclub nose wheel



Look at all that filler!

Stores and Weapons

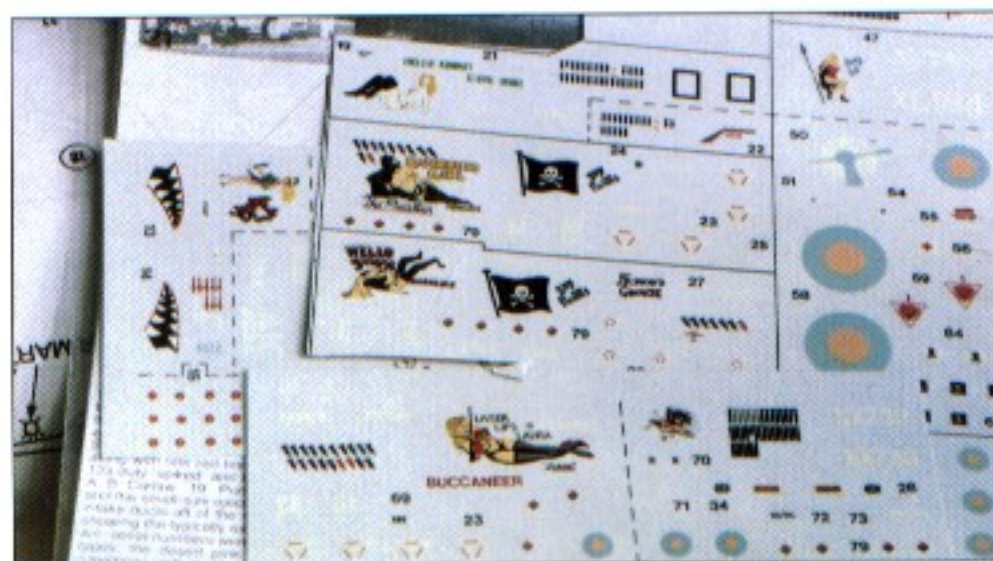
With the model sanded, filled, and ready to start spraying, I was now obliged to prepare the underwing stores. I opted for a slipper tank on the starboard inner position, the Spike pod on the port, the AN/ALQ 101-(V) 10 jammer on the starboard outer, and an empty sidewinder rail on the port outer. The only pictures I can find of Desert Storm machines fitted with slippers seem to be going either to or from the Gulf, and do not have sidewinders fitted.

The slipper tank came with the kit, the spike pod is Hasegawa, and the jammer is from an Italeri Jaguar.

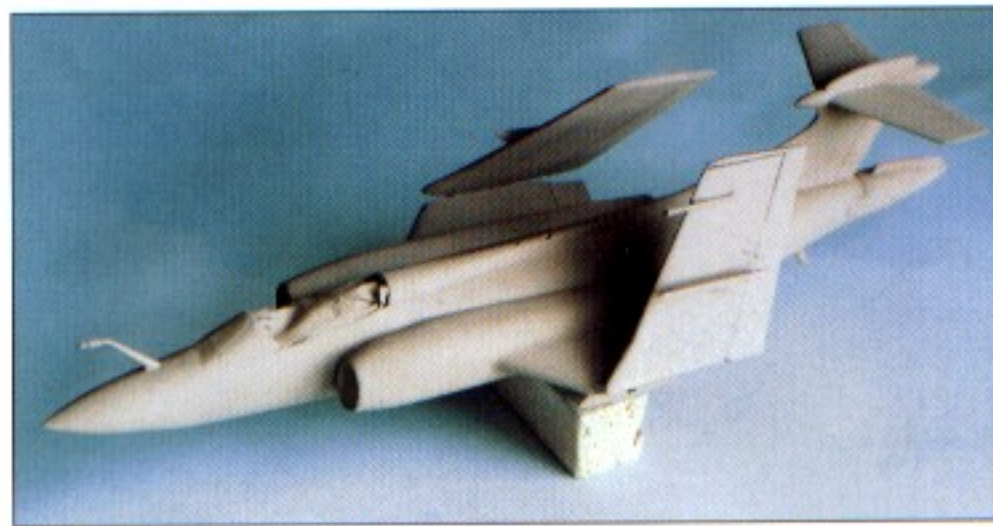
None of the 1/72nd Buccaneers feature the underwing ARI 18218 aerial housings which are noticeable on all photographs, so I was obliged to make them myself from plastic stock. Lacking a copy of Jane's Little Pointy Bits, I was obliged to

do the best I could from available photographs. In the overall scheme of things they look alright, but if ever there was a case for resin parts, then this is it.

On the subject of aerals, the blade



What shall we call our baby?



Humbrol 250 (Desert Sand) applied overall. I used the Matchbox refuelling probe, as it looks better

aerals provided are like little paving slabs, so I recommend filling in the locating holes and scratch-building new ones from empty lard tubs, or whatever your favourite source of thin plastic card may be.

Painting and Decorating

This was pretty easy. First, an undercoat of Humbrol 165, then I pre-shaded the panel lines with matt black, and then it was Humbrol 250 all the way. The undercarriage was Humbrol 165, and the wing leading edges and intake lips were Humbrol 11, applied before the final coat of matt varnish. Aerials were Humbrol 81, except for the white one. Another bugbear for me is the RAF's tendency for black on the leading edges of tiny thin things. I have found that pressing the edge of a blade aerial to the nib of a large permanent marker pen gives a clean sharp line and solves this particular headache.

Three coats of Klear and I was ready to apply the decals.

Long nights were spent agonising over which artwork to use. Should I make Pauline, the Guinness Girl? Hello Sailor?



Three coats of Klear and decals applied. Silver wing edges are being applied



Miss Jolly Roger. The Pink lump on the table is the Airfix slipper tank for the starboard inner station



Ready for the application of the matt varnish



Well, it looks like a Buccaneer to me!



The Airfix slipper tank in situ, and the Italeri jammer



For my money the Airfix kit captures the essence of the aircraft - with just a little help

Laser Lips Laura...?

"You're not going to call it Laser Lips Laura?" My wife was astounded.

"What about Miss Jolly Roger or Dirty Harriet?"

"What if it's a boy?" she pointed out. I pondered this question.

"If it's a boy," I replied, "it will have no artwork upon the nose".

"The ancient Greeks would not have been so prudish."

"If the ancient Greeks had had Buccaneers they would not have taken ten years to sack Troy."

"They would have if the UN had been there."

In the end, I opted for Miss Jolly Roger, as I liked the lipstick on the Sky Pirates flag. The Xtradecals melted agreeably onto the model overnight, and after a bit of weathering with pastel chalks and a coat of Humbrol acrylic matt varnish, Miss Jolly Roger was ready for the final touches to be added.

Conclusion

With all the little bits and pieces firmly attached, I sat back and contemplated the result. It looks the part - but is it accurate?

Ah. Once more, we tackle that vexed question. Is modelling an art or a science? If it is a science alone then I might as well

stop now, as I have neither the ability nor the inclination to worry over things like the radius of the wing root fairing, or the re-positioning of an access panel by three millimetres. My few attempts at re-scribing panel lines have been disastrous, and accuracy to me is more a matter of things like the intake ducts described above, visible seam lines, faired-in canopy screens, or major sins of omission like the absence of wing gloves on Tornados, which infuriates me and sends me scuttling for the scalpel like nothing else. I



Pylons and chaff dispensers adapted from the kit parts, spiked pod by Hasegawa and blade aerials by Flora



Thank goodness it's finished. This is the image I have been pursuing - Miss Jolly Roger taxis in... pot belly, turned up nose and pretty in pink

am, on the whole, in the hands of the kit manufacturers, and if the finished model looks like the pictures, I am happy.

For those of us with average skills the Airfix Buccaneer is a very good basic kit. As bought, it comes with slipper tanks, Sea Eagle or Martel missiles, and an excellent decal sheet giving options for two camouflaged machines of No.12 or 208 Squadrons. Shelling out for a Matchbox kit, just for the intakes, may seem extreme, but I believe it is worth doing - you could spend as much on a set of brass parts that might well make less overall difference in the end.

Until a better one comes along, the Airfix kit will be my choice. I have another spare set of intakes and wings ready and



Home to Lottie - but what's that Hawk doing there?



waiting, the superb Aeroclub wheels, and an LGB kindly donated by a colleague at the club.

Thanks to Airfix for keeping the kit on the shelves, and to Peter Bell for the loan of the Gulf Air War special.

Gary Hatcher

References

World Aircraft Files, File No.31
RAF Yearbook 1991 Gulf Air War Special
Modeldecalsheet No.109

Highly detailed injection molded plastic

Polikarpov U-2/Po-2



002/0399



GAVIA

003/1199

NOW AVAILABLE



Fokker D.II

Photo etch and decals for two or three aircraft



Israeli Air Force specialized
www.adgrafica.com



**Books
Decals
Prints
Patches
Model Kits
and more...**

DEALERS ARE WELCOME

Distributors: U.S.A.: - Sental Distributors - Tel: 001-818-886-3113 Fax: 001-818-886-2551 email: plastic@pacbell.net
U.K.: - Hannants Tel: 01502-617444 Fax: 01502-500521 email: sales@hannants.co.uk
Rest of the world: AD Grafica Tel: 0038-02-56814563 Fax: 0038-02-57401847 email: info@adgrafica.com

Shoreham Aeromart!

at Shoreham Airport, West Sussex on Sat 25th March 2000

Buy, sell, exchange or barter at
this unique event!

**PROBABLY THE
BIGGEST EVENT OF ITS
KIND IN THE WORLD!**

Over 150 stalls, all undercover, including new and deleted model kits by the thousand! Also, books and publications, memorabilia, prints, postcards, photos, art, old toys, uniforms and equipment, medals, aircraft parts, aeromart, airline items and anything and everything to do with aviation - new or old, military and civil.

Apply to: Andy Saunders, Aeromarts UK,
PO Box 1940, Hastings, East Sussex, TN34 3ZL. Tel/Fax 01424 440644.

STALLHOLDERS

Gates open 10.00 am (Trade passes available from 8.00 am)

Aero-Collector Magazine



Do you collect old model aircraft kits, aviation books, airline items... or anything to do with aviation?

If the answer to any one of the above questions is "yes" then you should be reading the only specialist aviation collectors journal.

Covering all of the above subjects, as well as aeronautical items generally and of any sort, old and new, military and civil, the magazine is published quarterly and by subscription only. The Aero-Collector carries feature articles on aviation collecting topics as well as hundreds upon hundreds of "Classified" small ads under "For Sale" and "Wanted" categories. Professionally produced subscribers may advertise for free and thus reach our wide UK and international readership.

Subscription available at £12.50 per year (4 x issues) or £20.00 overseas.

Apply to: Aeromarts UK, PO Box 1940, Hastings, East Sussex, TN34 3ZL. Tel/Fax 01424 440644.

MPM V. Hodkovičák 2
Praha 4
14700
Czech Republic

NEW RELEASE 1/72

MPM 48041 Pe-2FT



www.mpm.cz



A012 Potez 452

Pe-2FT 1/48 scale

MPM - BIGGEST PROJECT
The famous Soviet bomber of WW II
Decals for three aircraft
INJECTED CANOPY+PUR DETAIL SET
Further versions will follow -
Pe-3, Pe-2/1941, Pe-2UT(trainer)

Scale Auto Modeller

"Exciting, unique and from the award winning SAM Publications team, Scale Auto Modeller meets the growing demand from the scale kit modeller with an interest in automotive subjects"

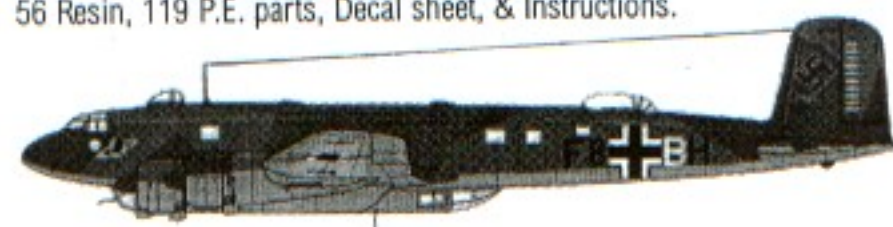


Available from leading newsagents.

Subscription Hotline: +44 (0) 8707 333373 E-mail: samkit@globalnet.co.uk

Focke Wulf Fw 200 "Condor" No. 24

A complete kit with 97 Vac-formed, 39 Cast-metal, 56 Resin, 119 P.E. parts, Decal sheet, & Instructions.



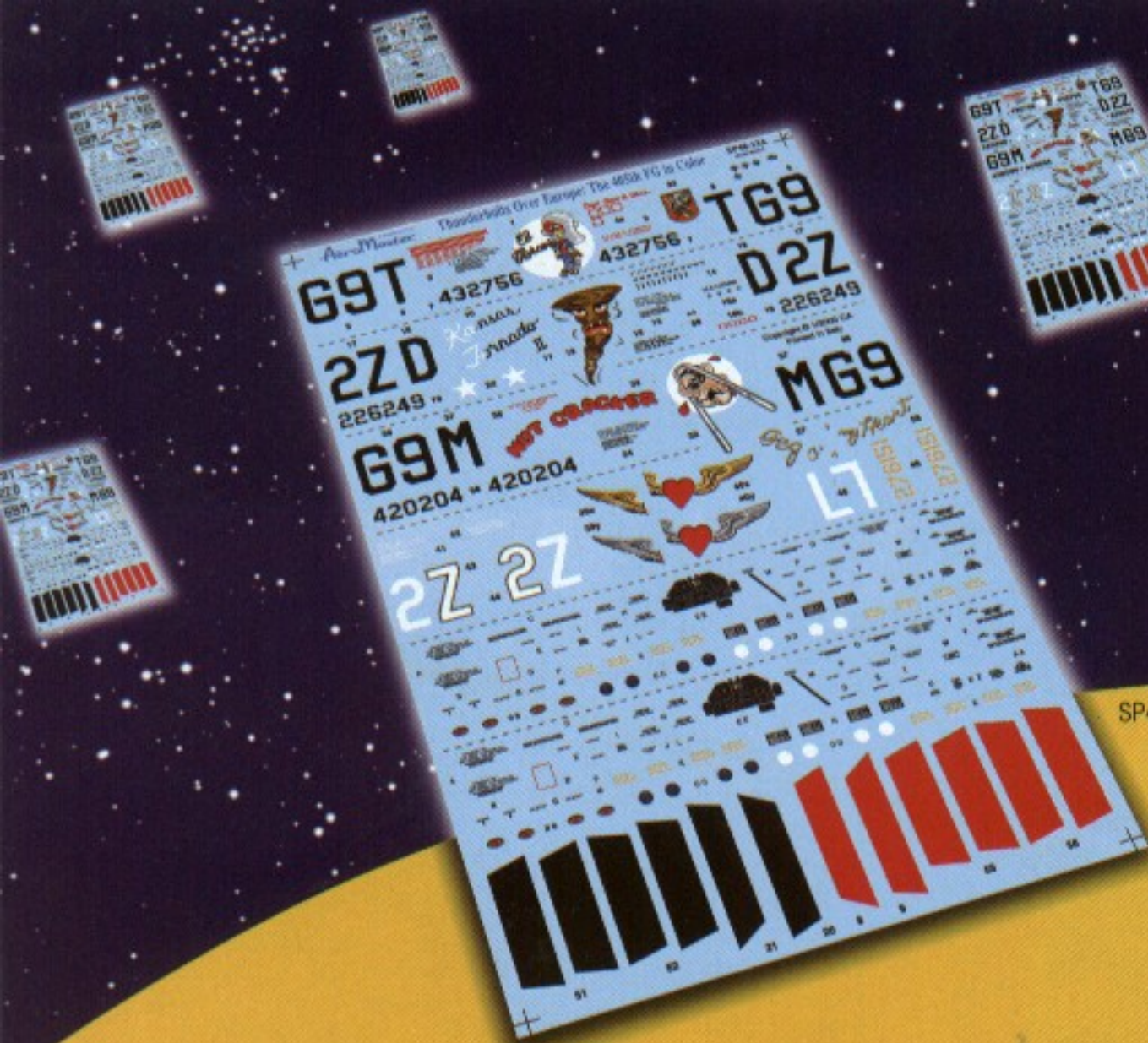
\$77.95 + \$5 US / \$24 Foreign Air Post.

1/48th

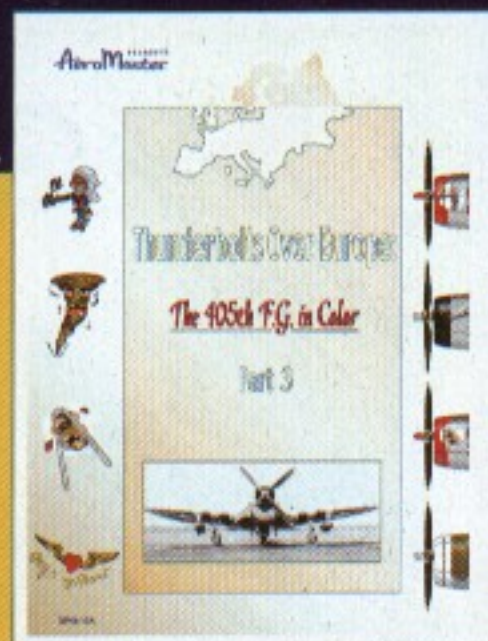
Also available: Do 217 K-2/M-11, Do 217J/N-1, Fouga Magister, PV-1, Pe-2, Siemens Schuckert D.III, D.IV and Conversions: He-111, XP-72, XP-47J, PB4Y-1, PB4Y-2, B-17C/D/E & late G, RF-101A/C and much, much more.

Send SASE for Kit & Accessory List.

**KOETER
AERO
ENTERPRISES**
25 Glenridge Drive
Bedford MA 01730
U.S.A.
Vac-formed canopy



SP48-13A



SP48-13A
Thunderbolts over Europe

We give you more options...

New Releases

48-483 Mitchell Collection Pt V

- 1: 'Chow Hound Junior' B-25D-20, 345th Bomb Group 'Fat Cat' aircraft, Clark field, Philippines, June 1945
- 2: 'Tondelayo' B-25D-1 #41-30669, 500th Bomb Sqdn 345th Bomb Group, Nadzab, June 1944

48-492 Last of the Breed Pt I

- 1: Bf109K-4 Wr.Nr. 330176 of II/JG 77, November 1944
- 2: Bf109K-4 of 9/JG 77, Neuruppin, November 1944
- 3: Bf109K-4 Wr.Nr. of an unknown unit/locale
- 4: Bf109K-4 Wr.Nr. 33020, Malpensa, Italy, February 1945

MIDNIGHT PART IV WIDOWS

48-489

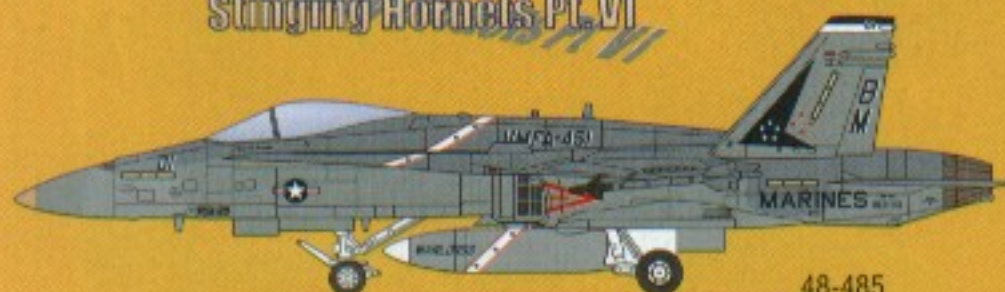


Stinging Hornets Pt V



48-484

Stinging Hornets Pt VI



48-485

48-489 Midnight Widows Pt IV

- 1: P-61B-2 'Cooper's Snooper' 42-39454, 548th NFS, Iwo Jima, 1945
- 2: P-61A 42-5544 'Lady Gen', 422nd Night Fighter Sqdn, Florennes, Belgium, December 1944
- 3: P-61A-1 4'Moonhappy' 42-5527, 6th NFS, Saipan, 1944

48-484 Stinging Hornets Pt V

- 1: F/A-18C BuNo. 164006 #200 of VFA-27 'Royal Macces'
- 2: F/A-18A BuNo. 162887 #400 of VFA-204 'River Rattlers'

48-485 Stinging Hornets Pt VI

- 1: F/A-18D BuNo. 164949 #402 of VMFA (AW)-533 'Hawks'
- 2: F/A-18C (Actual BuNo. unknown) VFA-27 'Royal Macces'
- 3: F/A-18A BuNo. 163133 #01 of VMFA-451 'Warlords'

The Finishing Touch

Featured this month is a Hi Tech P-63 finished with kit markings supplied by AMD. Unfortunately the modeller is unknown. Our apologies to him



Join the AeroMaster Newsletter

Keep abreast of the latest news from AMD and industry gossip. Articles by Terrence Marriott and others.

US \$7.00 for 12 issues.

Overseas \$10.00

Join Now!



48-483 Mitchell Collection Pt V



48-489 Midnight Widows Pt IV



48-484 Stinging Hornets Pt V



48-484 Stinging Hornets Pt VI



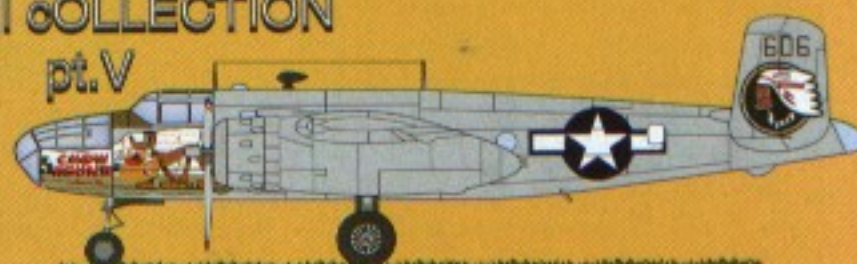
48-492 Last of the Breed BF109K

Last of the Breed BF109K



48-492

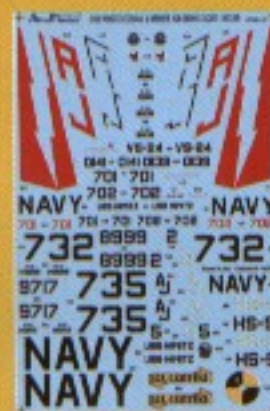
Mitchell Collection pt.V



48-483

Special Sheets

SP48-14 USS Nimitz CVN-68
Carrier Air Wing Eight
1977/78



- 1: F-14A Tomcat BuNo.160379
- 2: F-14A Tomcat BuNo.160395
- 3: F-14A Tomcat BuNo.160385
- 4: F-14A Tomcat BuNo.160401

- 5: A-6E Intruder BuNo. 151582
- 6: KA-5D Intruder BuNo. 151578
- 7: BA-6B Prowler BuNo. 159908

- 8: A-7E Corsair II BuNo. 159289
- 9: A-7B Corsair II BuNo. 157571
- 10: A-7E Corsair II BuNo. 159292
- 11: A-7E Corsair II BuNo. 159305

- 12: S-3A Viking BuNo. 160141
- 13: S-3A Viking BuNo. 160130
- 14: SH-3H Sea King BuNo. 148990
- 15: SH-3H Sea King BuNo. 149717



"I recently purchased the two special sets of decals that you produced concerning the 405th Fighter Group (Ref. SP11 & 12) and I wanted to congratulate you for this superb piece of work"

Mickaël Simon, France

...experience the difference

AeroMaster

3615 NW 20th Ave
Miami, Florida 33142, USA
tel 001 305 6337398 fax 001 305 6384197



Visit us on the web at
www.AeroMaster.com

U.S.A.

Japan
Australia
Czech Rep.
Italy
France
U.K.
Netherlands
Canada

• Sentai Distributors • Military Model Distributors
• Stevens Int'l • Hobbytime Distributors
• Legacy Distributors (VLS) • Pan American Int'l
• Beaver Corporation
• J.B. Distributors
• Eduard Model Co.
• Italtrading Co. • Misterkit
• Cocktail Jouets
• Hannants • Athena Books
• Model Engineering
• Precision Parts

World Wide
Distribution



Eagle's Wings

No. 4, by Nicholas J. Wigman

Dora

Introduction

The Fw 190D-9 was a development of the successful Fw 190A series German fighter aircraft introduced in 1941. Later in the war, the Reichsluftfahrtministerium (RLM - German Aviation Ministry) ordered full priority to the development of the D series using the Jumo 213 powerplant as its primary high altitude fighter/interceptor.

The Jumo 213, twelve-cylinder in-line liquid cooled engine was chosen for installation into the basic Fw 190A-8 airframe because it was not extensively used and was therefore available in sufficient numbers. The forward fuselage was lengthened to accommodate the new powerplant, and a 'plug' was inserted to lengthen the tail section thus maintaining the centre of gravity of the aircraft.

The Fw 190D-9 differed from the earlier D variants in that the tail surface area was increased to improve stability. A centreline ETC 504 rack with the capacity to carry either a bomb or auxiliary fuel tank was included, and quick-mount attachment points for the addition of wing racks were also included in the design. In addition, a MW50 methanol-water injection system was installed which, when used with the Jumo 213A-1 engine, produced a horsepower rating of 2,250 at low level and 1,880 hp at 15,500 ft. Its armament was also changed, and now comprised two MG 131 13mm machine guns in the forward fuselage decking and two MG 151 20mm cannon, one in each wing root. It was to become the finest propeller driven aircraft flown by the Luftwaffe and first saw combat in September 1944 with III/JG 54 'Grunherz' at Achmer in Germany.

Early in 1945, the Fw 190D-9 was delivered to a number of other units, including JG 2, JG 26 and JG 301, in an attempt to challenge the increasing air superiority of the Allied forces. The majority of the units formed part of the ill fated 'Reich Defence' screen and remained there for the rest of the war.

The Fw 190D-9 and the Me 262 were excellent aircraft both in terms of armament and performance, but they were no match for the overwhelming odds in favour of the Allies.

The Tamiya Kit

The kit (No. 61041) is moulded in the usual grey plastic we expect from Tamiya. There are two sprues containing all the parts and these are well engineered. The level of detail is high (although not as high as the Dragon/DML/Trimaster kits)

Technical Data

Span:	34ft 5.5in (10.5m)
Length:	33ft 5.25in (10.24m)
Height:	11ft 0.25in (3.35m)
Weight:	Empty 7,694lb (3,500kg)
	Loaded 9,480lb (4,300kg)
	Maximum 10,670lb (4,850kg)
Maximum Speed:	
	426mph (685km/h) @ 21,326ft (6,500m)
	357mph (574km/h) @ Sea Level
Service Ceiling:	39,372ft (12,000m)
Normal Range:	520 miles (837km)

with panel lines nicely recessed and panel attachments, such as screws etc., subtle and sensibly limited. The kit provides a standard production D-9, but some after market manufacturers provide conversion sets such as the D-11 or D-13. No flash was present and three nice decal options are included. In addition to this, a choice of either the standard Fw 190 hood or the later 'blown' type are included, and the cowl flaps can be either open or closed.

The Formatex Detail set

As soon as I saw this set I thought I've just gotta have it! Firstly because I'm very interested in World War II Luftwaffe aircraft and secondly because of the very high level of detail this set offers. The box art shows a

completed Tamiya kit detailed with this set and is most impressive, while on the back is a photo of all the various parts in the set.

The set is comprised of both resin and brass, some brass wire (in two sizes) and an acetate sheet for the instruments.

First the resin: there are twenty-nine parts which either add to or replace parts of the Tamiya kit and these include exhausts, cannon, machine guns, forward fuselage decking, firewall/bulkhead, seat, and a beautifully detailed Jumo 213A engine complete with supercharger, oil reservoir, and mounts. Also, all the associated covers and panels are present.

Now the brass: the etched sheet comprises thirty-seven parts and includes seat belts, cockpit bulkhead, rudder pedals, instrument panel, flaps, wing root cannon bay details, wheel well accessories, tail inspection panel and details, engine grille, armoured headrest, undercarriage torque links, and engine panel attachments. The instruction sheet consists of two sides of glossy A4 with very clear drawings accompanying each stage of construction but no colour notes or references are present.



The comprehensive but economical array of parts in the Tamiya kit are very well engineered



Before starting

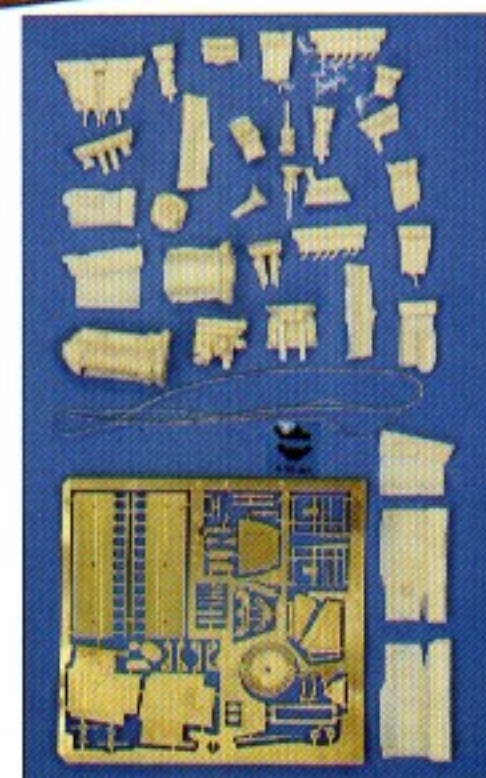
There were a few things I wanted to get straight in my mind before commencing work on this project. There is an abundance of decal sheets

covering the Fw 190D-9 and I wanted to decide which scheme to finish my model in. The decal sheets I was most impressed with were from Kommandeur, the sheet numbers being 4801, 4802, 4803 and 4807. Numbers 4801, 4802, and 4803 were part of a set and reflect the state of late war Germany with 'messy' paint schemes, over-sprays and even whole panels left unpainted. Number 4807 has only one Fw 190, an unusual example in that it has a Ta 152 style broad tailfin. This was the one I wanted to finish my 'Dora' with but was unable to obtain the new Arba Ta 152 tail before beginning this project. If it arrives soon I will do this version, otherwise a standard D-9 with the tail details open will be undertaken and the final scheme chosen later. I obtained adequate references and having read the instructions and familiarised myself with how things were to proceed, including major plastic surgery I began work!

I commenced with carefully washing all the plastic and resin parts with slightly soapy water to remove any residues. It is important to note that prior to painting, all the resin parts were given a coat of Halfords Grey Primer.

The Cockpit

As is usual with almost all aircraft kits, the first area for attention was



The Formatex detail set showing the number of parts (inc. wire) and the comprehensive instructions

the cockpit. The Tamiya cockpit tub was nicely moulded with all the knobs and dials crisply recreated. A small part of the front bulkhead and the whole rear bulkhead were carefully removed in preparation for later replacement with brass ones and the rudder pedals were filed from their mountings and replaced with the Formatex ones, which include the straps. Next, the instrument panel was removed from the etched sheet and folded into its correct shape, also, the Formatex seat was removed from its mounting block. The correct colour for the whole cockpit is



The cockpit minus the rear bulkhead, seat and control column



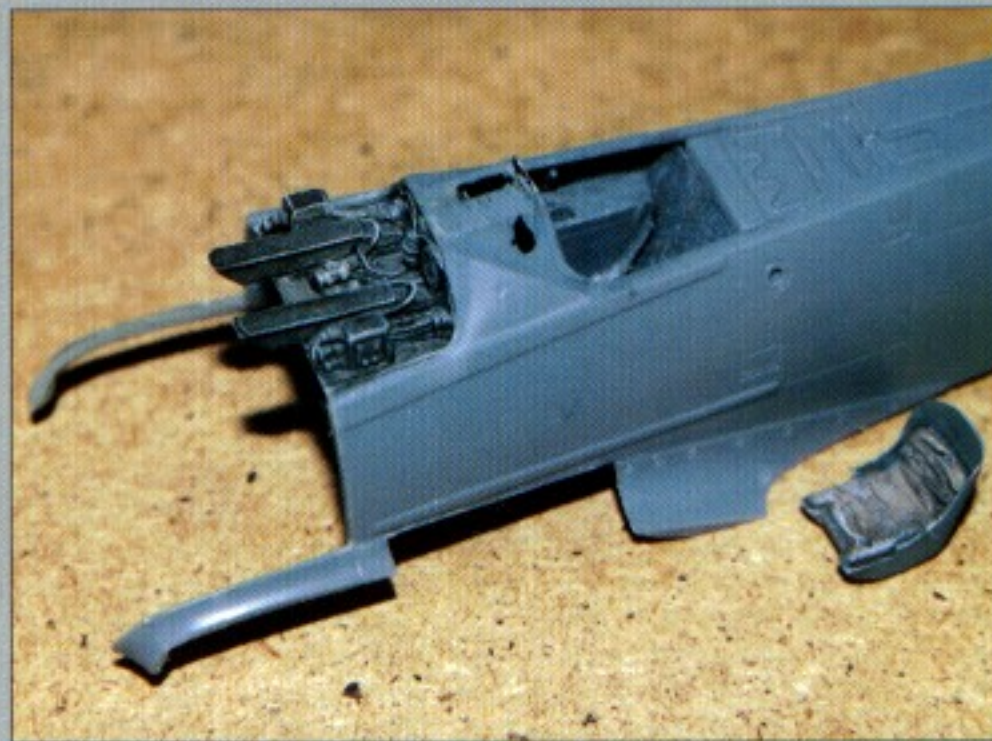
The beautifully detailed instrument panel



This photo shows the necessary 'surgery' of the fuselage halves



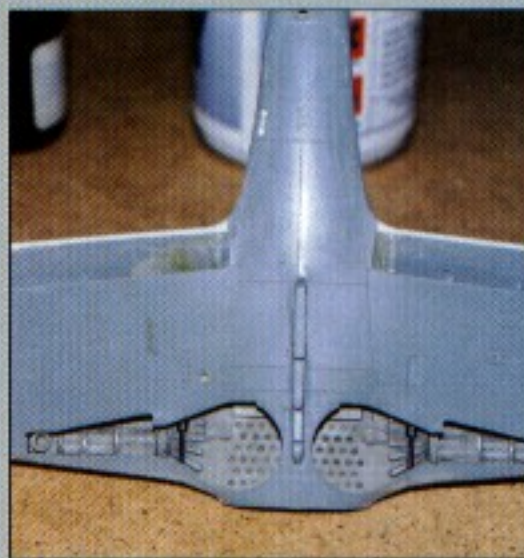
The gun deck and cockpit fitted to the fuselage. (Note the reinforcements under the cockpit side panels)



The fit of the gun deck is evident here, as is the detail of the seat



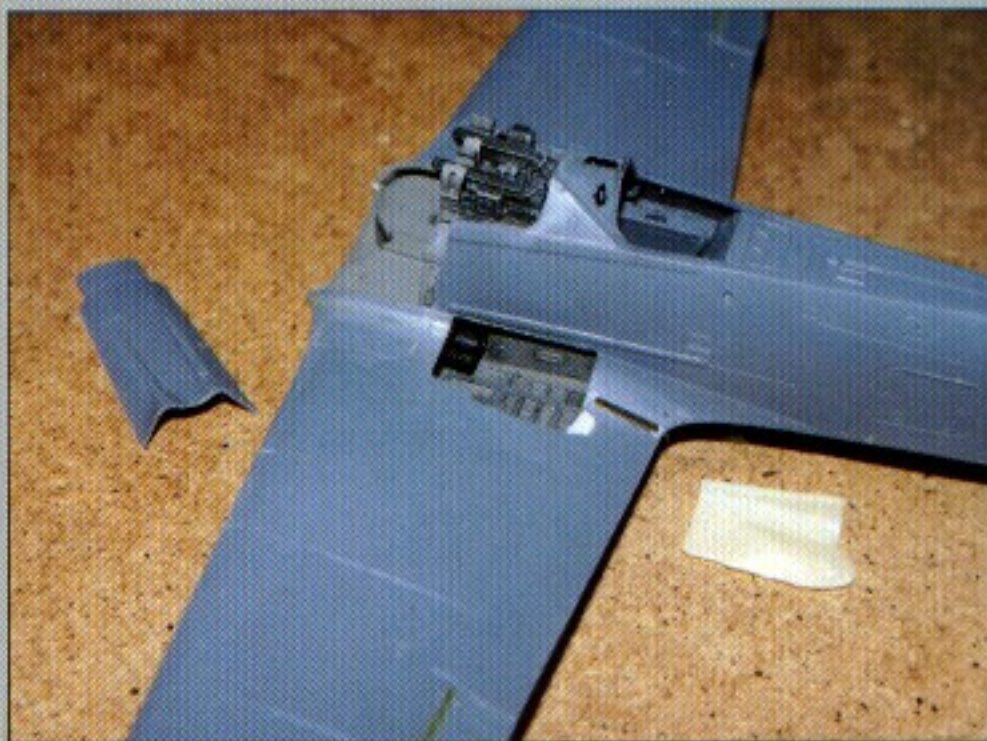
Another view of the assembled fuselage showing the tail access panel



This photo highlights the wheel well detail. The flaps have been removed and the trailing edges corrected



The upper surfaces of the wings: Note the wing root cannon area



A close-up of the wing root cannon bay, and the flawless fit of the wing to the fuselage



A view of the underside after the wings had been attached to the fuselage

RLM 66, which is a very dark grey, but wanting the cockpit to be clearly visible from the outside I chose Ocean Grey which is lighter, and painted all of the constituent parts in this colour. The seat cushions and pedal straps were then painted tan. Once dry, I gave all the parts a wash of 'watery black' (acrylic paint!) to accentuate any recessed detail and a very light dry brushing with white, not too much or it looks like its been snowing! A combination of a black wash with white gives the impression of a slightly dirty and worn or faded look. A gentle application of Rub 'n' Buff was next applied to areas that would experience wear, such as rudder pedals and floor, and this gives the impression of metal construction.

The back of the acetate sheet was painted white and while this was drying I carefully painted the instrument bezels and small panels in black with either blue, red or yellow borders as was standard with German aircraft at this time. The various small knobs and levers were given the same treatment. The instrument films were removed from their sheet and carefully glued to the rear of the instrument panels, ensuring that all the dials line up correctly. Next the rudder pedals were glued to their mountings, the straps bent into shape, and the pedal assembly, along with the instrument panel, glued to the tub.

The Fuselage

The first stage of the fuselage assembly was to undertake some major surgery. The tail inspection panel was removed by drilling small holes, which were close together just inside the panel line. Then the central area of the panel was removed and the hole filed and sanded into its correct shape. Next, the whole nose area forward of the cockpit coaming had to be removed. This was carefully done by means of a razor saw and Abra file. This process was carried out on both fuselage halves and finally cleaned up with



This photo shows the lower scheme. Note the demarcation between RLM 84 and RLM 76

needle files and a gentle sanding. I chose to open up only one wing root cannon bay and this area was removed using the same method. It is important to note that once the 'holes' or areas truncated were shaped, their appropriate edges were thinned out in order to appear to scale. This again, was done by means of needle files and sanding.

The throttle lever was removed from the port fuselage half (for a better replacement) and the cockpit areas painted Ocean Grey and treated as before. The etched inspection panel inside the tail was bent to shape and glued into position with 5-minute epoxy.

The tailwheel and inspection panel areas were then painted RLM 02 Grau, and the hole for the gunsight was slightly enlarged to accommodate the resin gunsight, which would be installed later in the construction.

The fuselage halves were then joined together (I like to use Plastic Weld) and cleaned up, then when dry the rear bulkhead was glued into position with superglue. The resin machine gun

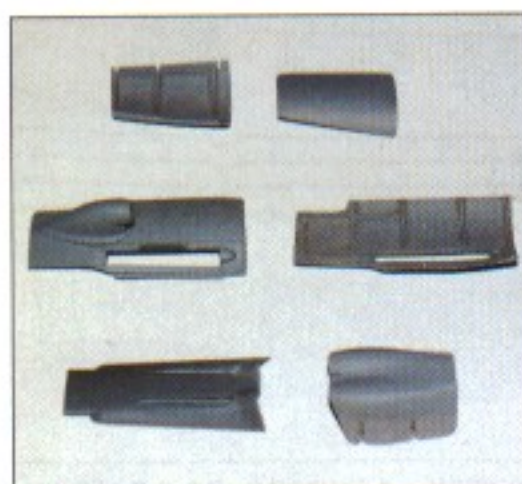
decking and firewall were then offered up to assess the fit of each, and the fuselage thickness adjusted with a file as necessary to obtain a good fit. The cockpit was then to go in but shock horror, it would not fit! Firstly, it was too long preventing the firewall sitting flush, and secondly, the tub was seating too far down.

Fortunately, the remedy was fairly simple. I removed the forward bulkhead just behind the pedals (looking forward) and the firewall was thinned out (the inside of it painted Ocean Grey). This cured the first problem. Using a needlefile, two notches were filed into the tub, one either side of the seat mounting, in order to slide the tub upwards on the rails on the rear bulkhead. Care must be taken when gluing the tub into position, as there are no positive mounting points and it seemed all too easy to get the instrument panel sitting incorrectly. Once in position I reinforced the tub by gluing lengths of sprue under each console, effectively joining the tub and fuselage halves together firmly. The firewall and gun decking were then glued into

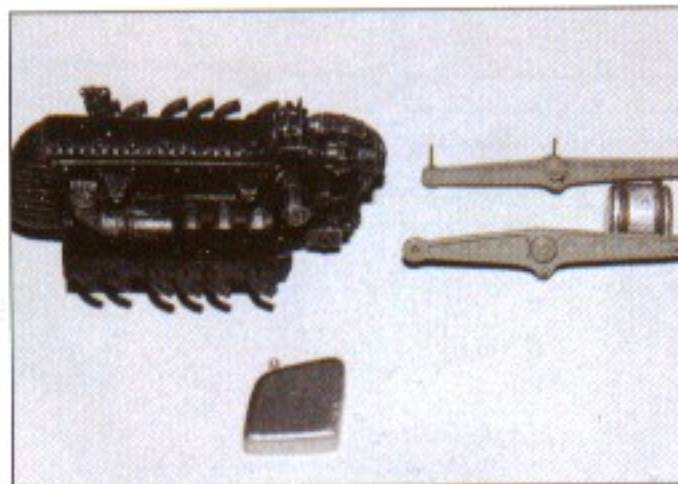
place using superglue and the nicely moulded cockpit rear deck was also attached. As I wanted to show the tailplane control surfaces in a deflected position, I removed them from their tailplanes and glued them into the desired positions, at a slight droop. I would have attached the tailplanes at this stage, but I was still awaiting the arrival of the Ta 152 tail, so chose not to.

The wings

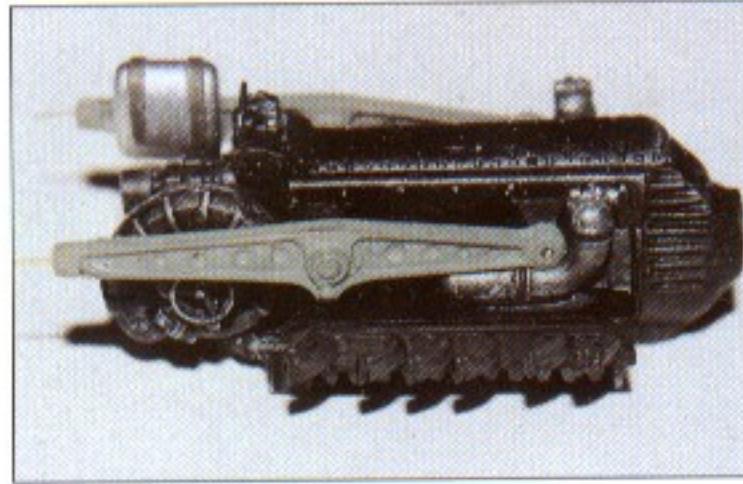
The wings were a quite straightforward affair and started with a nicely reproduced wheel well. From this, the moulded ribs were removed from outboard of each cannon and replaced with brass ones, which offered greater detail. All the wheel wells (the central part and the two moulded under each upper wing section) were then painted RLM 02 and given washes of first black then Dark Earth. The cannon barrels were then painted black and the whole wheel well (all three sections) was given a light Rub 'n' Buff to highlight the detail and show wear. The two lugs at the rear of the well were removed and the well itself was ready to be glued onto the lower wing panel. Before this could be done the flap sections of the lower wing were carefully removed using a razor saw and scalpel. The edges of the 'holes' were cleaned up, then the wheel well was glued into position. The port cannon bay cover was removed in the same manner as the fuselage panels ensuring that its length lined up with that of the fuselage 'hole' when placed together. The etched gun bay was assembled and painted RLM 02, weathered as before, then glued into position on the lower wing using 5-minute epoxy, which allows the position of the part to be adjusted before it dries. The ammunition magazine needed trimming to fit, as it obstructed the firewall; once this was done it was given a coat of black and glued in place. The upper wing sections with cannon barrels were removed, to facilitate easier sanding, then glued



The beautifully cast engine covers after priming



The basic engine components viewed from the left...



...and from the right (when dry fitted)



The undercarriage showing the etched torque links



At last the Ta 152 tail had arrived! This photo shows the truncated fuselage and a comparison between the two tails

to the lower one (again using Plastic Weld) and left aside to dry. The joins were cleaned up with fine sandpaper and a small piece of plasticard was shaped to fit the rear of the gun bay and glued in place.

The Airframe

This stage basically involved attaching the wings to the fuselage. Due to the high standard of the mouldings, this presented no problems although a little filler was required at the leading edge of each wing root. Care was taken to achieve the correct dihedral and the whole airframe was left to dry. Note there is no panel line running through the cannon bay cover so it was important to accurately position the wings when gluing them. If, however, you choose to open up both cannon bays this doesn't matter. Once dry, the joins were sanded smooth and the small plates just behind the cannon bays were sanded off because they would be replaced with brass ones. Thin strips of plasticard were glued to the lower trailing edges, where the flaps would be, and filed until the trailing edges themselves were nice, thin and shaped. Also plasticard strips were placed to reinforce the gap between the upper and lower wings where the flaps were to go. All was going well so far but I was a little disappointed to see that the flap area was not perfectly rectangular as they are on the real aircraft. I chose to ignore this error as it would not be too noticeable, but if I had noticed it earlier, it could have been rectified. The small etched plates were then attached with superglue. Finally, the centreline rack was glued in place.

The beautifully cast resin engine covers and the cannon bay cover were carefully removed from their mounting blocks using a razor saw, cleaned up carefully, and coated with Halfords grey primer. This serves two purposes: firstly, it shows up any blemishes in either shape or surface finish, and secondly the covers are so



This photo shows the model after the decals were applied

thin they are semi-transparent so an undercoat helps to make them opaque. Just to be sure, they were all given a second thin grey priming. A hole was made in the starboard engine cover and the kit intake was glued into place. The etched plate (glare shield?) was also glued to the same panel and the Tamiya nose assembly, consisting of the cowl, cowl flaps, and radiator was then assembled. I chose to ignore the Formatex etched radiator, as it seemed too one-dimensional. The upper engine cover was modified from the kit (part F16) as shown in the instructions. The rear edge of this cover was thinned out to scale thickness as described earlier and the cannon barrels drilled out using a pin vice.

I would have begun spraying the paint scheme, however, as the Ta 152 tail still hadn't arrived, the colour scheme was uncertain so I opted to carry on with some other parts.

The Engine

I had been looking forward to making this

engine as the resin castings were exceptionally well done. The engine consisted of the main engine block, 'auxiliary' engine block, exhaust manifolds, supercharger, mounts, oil reservoir, and small blocks and pipes. All these parts were removed from their cast mounts and 'cleaned up' and shaped as necessary. Care must be taken here as any unevenness or excessive removal of material could make or break this assembly. The two main engine blocks were then glued together using 5-minute epoxy. A number of the engine parts require the drilling of small holes so that the piping can easily be fitted later. Using a slightly larger drill (1mm), holes were drilled in the main block and the engine mounts. Small lengths of the supplied brass wire were then glued into the holes in the mounts so that a stronger attachment to the rest of the engine would be obtained. I have made engine accessory sets previously (albeit not as comprehensive as this one!) and found on a few occasions that the supercharger can be too wide, obstructing the mounts. I trial fitted this

supercharger and found that it was marginally too wide making the mount come away from the engine at a very peculiar angle! A fair amount of filing was needed in order to obtain a reasonable thickness. I say filing here as opposed to sanding as there is a pipe, moulded integrally with the supercharger, which protrudes from the back. Once this was done it was glued to the rest of the engine assembly. A hole was drilled into the front of the engine and held on a mandrel made from stretched sprue. A thin, but not too thin, coat of black was applied and this highlights the fine detail. The same was done for the exhausts and the two small blocks. The oil reservoir (?) was carefully drilled out to accommodate the lower engine mount and given a coat of Halfords Nissan Silver, which was also used for the two large pipes (one either side of the engine). The engine mounts along with a length of plastic rod, which would later become the lower mounts (or supports), were painted RLM 02. When dry, the exhausts were glued to the main assembly taking care to ensure correct alignment. The two large pipes were then glued into position whilst temporarily holding the engine mounts in place, and finally the two unidentified blocks were attached. I chose to leave the brass piping until later as I did not want to risk damage whilst attaching the engine to the airframe. Also, the mounts were left off for now as their position relative to the engine may need some 'fine tuning' and this is best done when attaching the engine. The whole powerplant was then given a final coating of thinned black followed by a light application of Rub 'n' Buff.

The Undercarriage

This was a simple affair: the first step here was to remove the main wheels from their sprue and clean up and flatten them, which was easier said than done due to the treads. There are aftermarket bulged and flattened resin Fw 190



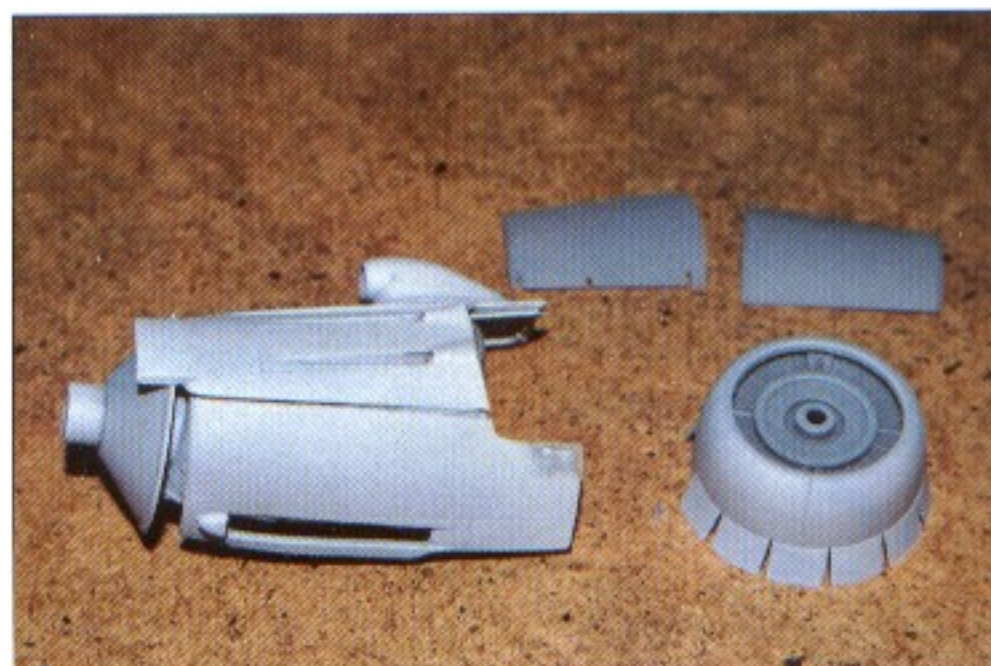
The new tail after priming



The upper surfaces were primed...



...as were the lower



The cowl panels were primed and held together with Blu-Tack



This photo shows the upper camouflage scheme. Note the 'saw-tooth' wing leading edges

wheels available, but not having these to hand, I did the best I could. The hubs were painted black and the tyres painted tyre black (surprise!). However, being a perfectionist (or so I'm told) I was not happy with them so I made a mental note to have them 'muddy', this will be dealt with later. The main undercarriage legs were next, the moulding seams were sanded out and the torque links removed. Both the legs and etched torque links were painted RLM 02, but the compression length (between the torque links) was painted chrome silver before the links were attached using superglue. Neither of the wheels were glued to the legs yet as the 'flats' on the tyres can only be aligned when the legs are attached to the wings. The insides of the undercarriage covers were painted RLM 02 and given a light wash of black and Dark Earth. The tailwheel was painted RLM 02 with the tyre in Tyre Black and given the same wash.

The Tail

At last the Arba resin Ta 152 tail arrived and I was impressed by the clarity of its detail and accuracy when compared to my references. As is usual with resin components, the first step was to remove the casting block and clean up the seam that ran down the centreline. Unfortunately this sanding removed some of the engraved detail so it was carefully rescribed with a panel scribe and scalpel. Now for removing the kit tail; this proved simple enough, but any errors here would become painfully obvious and possibly difficult to correct. The whole tail including the fuselage 'plug' had to be removed; this was accomplished by a junior hacksaw, allowing a fair amount of material (about 2mm) on the 'safe' side. The resultant cut was then filed smooth and level with the panel line. I prefer



Aligning the camouflage demarcations on the engine covers

using files for these kinds of tasks as a straight and rigid edge is guaranteed. Short lengths of sprue were glued to the inside of the fuselage to help provide a larger gluing area. When trial fitting the resin tail, it was found to be marginally too wide. Without attaching the tail, the 'plug' was carefully filed (with a little sanding) until the correct fit and width was achieved. This process proved more difficult than expected, as the sides of the 'plug' are straight and parallel. Eventually the right fit was achieved and a fairly large amount of 5-minute epoxy was put in the end of the fuselage, about 0.5 mm from the edge. Doing this prevents any ooze and consequently renewal of the panel line. The tail was then inserted, it was imperative that it be aligned correctly, otherwise it would look as if the aircraft had a fuselage bending crash landing! Be sure to align the tail from the rear, top and side and leave it to dry in a vertical position as this eliminates gravity pulling it out

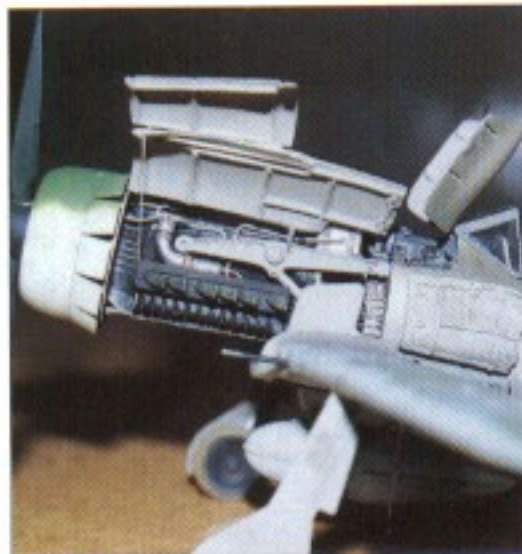
of alignment. A final smooth sanding and then on with the tailplanes. On trial fitting them, it was clear that they were not a good fit, or rather no fit at all as the lugs on the tailplanes were too thick, too wide and too deep for their locating slots. I found this curious as the tail was designed for the Tamiya kit! Anyway, a careful filing to reduce the thickness, together with a few slices taken off the lug cured the problem. Fortunately, the contours of the aerofoil shapes of both the tail and tailplanes matched perfectly, so both were glued in position using superglue, ensuring the correct alignment of each. I was a little concerned about the apparent fragility of this assembly, but made a mental note to be careful! In hindsight, it would have been preferable to drill out the ends of each tailplane and the tail and insert a length of brass or steel wire for reinforcement. I was tempted to drill out the hole in the tail just aft of the tailplanes, but decided against it as it would not be too

noticeable. Finally the hole for the tailwheel was enlarged a little.

The Colour Scheme

The completed airframe, all engine, cowl, undercarriage and cannon covers were now prepared for spraying by first masking and sealing any area where the camouflage colours would not be present or wanted. This was done using Blu-Tack, Tamiya masking tape (6mm) and an everyday wide masking tape. The covers were stuck to a length of wide masking tape, which was stuck to the inside of the box cover. A thin coat of Halfords grey primer was applied. This serves to show any blemishes which may not have been noticeable beforehand, and a few flaws were found and re-coated. Masking tape and Blu-Tack were used to mask off the necessary areas and the nose panels and cowl assembly were attached to the fuselage, as accurately as possible, with Blu-Tack so that the demarcation lines would 'match up'.

Before I go any further I will describe the final camouflage scheme as this dictated the sequence of application of the different colours. The decals were produced by Kommandeur and the aircraft I chose to recreate belonged to III JG2 in Belgium, 1945, and had an interesting paint scheme. The tail section was RLM 76 Lichtblau with RLM 83 Lichtgrün mottling. It sported Reich Defense tail bands, which were yellow/white/yellow. The upper surfaces of the fuselage were RLM 81 Braunviolet and RLM 83 Lichtgrün while the rest of the fuselage was painted with a light green colour identified but not specified as RLM 84 (as its composition was varied) and no mottle was present. The colour RLM 84 varied greatly but was believed to be mixed according to which paints were available



The completed engine assembly showing the array of wiring and piping.



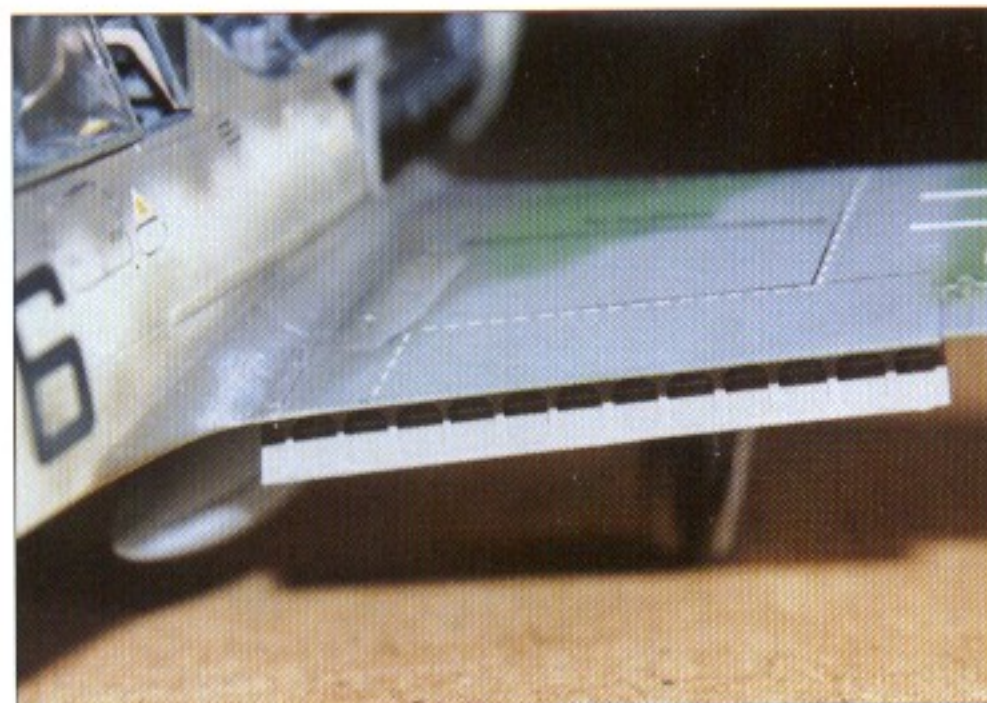
The beautifully detailed MG 131 machine-guns



This photo shows the gun barrels projecting through the forward upper cowl. Note the exhaust staining



This photo shows the Ta 152 tail, seat belts, and aerial made from stretched sprue. Note the scratches on the rear canopy which resulted from the droop of the aerial when the canopy was open



The detailed flaps

to that unit at the time. For instance spraying a 'thinned out' RLM 76 Lichtblau over RLM 02 Grau could make RLM 84, as could mixtures of 76 and 02, 02 and white or even 83, 76 and 02. The exact tone of this colour is subjective but the simplest representation is RAF Sky lightened with a little white.

The upper surfaces of the wings were RLM 75 Grauviolett and RLM 83 Lichtgrun with RLM 81 Braunviolett wing roots with RLM 76 Lichtblau 'saw tooth' leading edges. Each of the tailplanes RLM 75 and RLM 83 and the undersides of the wings and tailplanes were RLM 76. The first three digits of the port side serial number were painted over.

At this point I chose to make the propeller assembly. The spinner was painted black and the white spiral decal was applied. All three of the broad chord blades were painted RLM 70 Schwarzgrun and the hub aluminium.

The fuselage and under-surfaces of the kit were given a few thin coats of Halfords white primer in order to lighten the overall tone in preparation for the spraying of the lighter colours. With Halfords primer there is a large amount of over-spray, but this does not matter. The area where the Reich Defense bands were to go was sprayed with a couple of coats of acrylic white, and when 'bright' enough, the central white band was masked off with two overlapping lengths of trimmed down Tamiya masking tape. Yellow paint always seems to be thinner than other colours so three thin coats were needed on the bands either side of the white one. Without removing the existing tail band masking, the yellow bands were masked in the same manner as before. The width of the three bands needs to be the same so time was taken to measure them

(5mm each). Still retaining the masking, the tail area and undersides of the wings were sprayed RLM 76 and left to dry. The tail and undersides of the wings were then masked off using wide masking tape (with some of the stickiness removed) and the remaining area sprayed RLM 84 (mixed as described earlier). The last layer of masking was then removed to leave only the tail band masks; RLM 83 was sprayed next, remembering to spray the covers where appropriate. A fine spray was used for the demarcation lines, and I always use the Badger 150 airbrush for this. RLM 81 and RLM 75 were applied in the same manner. Lastly, holding the airbrush at about 60° to the wing, the saw tooth leading edges were applied. When dry all the masking was removed, but the nose kept in place, and I was happy to see that there were no runs present.

The whole model thus far except the engine was then given a coat of Halfords clear lacquer which acts as a fast drying gloss varnish. Be careful when doing this as the spray is quite powerful and it is all too easy to get a very thick coat very quickly!

Decals

The Kommandeur decals I chose to use on this model were of exceptionally high quality with good register, opacity, and a thin glossy carrier film. They were from sheet No. 4807, the colour artwork was beautifully reproduced and the historical notes add greatly to the interest. Unfortunately no stencils were provided.

First to go on to the model were the Swastikas and Balkenkreuz. This particular aircraft is interesting in that it sports simplified crosses on the undersides of the wings and non-standard



The landing gear indicating rods were moulded on the wings showing Tamiya's attention to detail

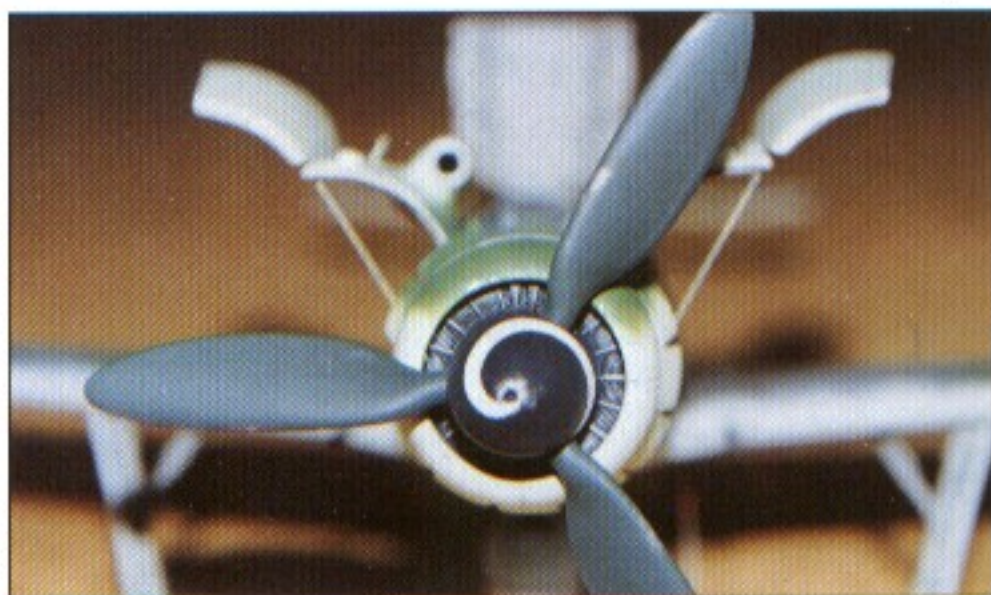
size ones on the fuselage. The identification numbers were next to be applied followed by the other smaller decals. As expected, these decals reacted well to decal setting solutions, and that includes the spinner spiral. Not having any other Pw 190 stencils readily available I used the Tamiya ones and although very well reproduced I felt that they were a little on the thick side. However they went on well. Whether all the stencils were used on the real aircraft is purely subjective, but I chose not to use them all. Only the more important ones such as the 'fuel triangles' (as I call them) were applied. On the port side of the tail, some of the serial number has been sprayed over so this was replicated by first applying the decal and when dry, a light spraying of RLM 76 where the other numbers would have been. The trim tabs on the control surfaces were painted red and any other

'touching up' was also done at this stage.

Weathering

The model was lightly washed down with soapy water and rinsed to remove the excess decal setting solution and when dry, another light coat of Halfords lacquer was applied. This serves three purposes: it seals the camouflage and decals from the atmosphere (water vapour), prepares the model for weathering, and highlighting panel lines, if chosen (with watercolours), and allows any touching up without affecting the original finish. The latter can be advantageous when weathering as, depending on the colours, a subtle change of tone can be seen. Also, when painting other parts of the model, any paint which goes onto areas where it is not needed can easily be removed using white spirit (or similar) without removing the camouflage colours.

I chose to highlight some of the panel lines and have found that a children's watercolour set from the local newsagent does the job perfectly for about £1.50! The hinge lines of the controlled surfaces were lined with black mixed with a little brown, where desired, and left to dry. Once dry (about five minutes or so) some very lightly dampened kitchen roll was wiped over the lined areas. Kitchen roll, or equivalent, must not be too damp or it will remove all the watercolour. Always try to wipe at right angles to the line, and remember that the watercolour can easily be removed or re-applied. I also chose to treat some of the lines with a light application of black and brown pastel colours. This was done by sanding (yes sanding) a chalk pastel stick until a fine powder was obtained. An old fine brush with the bristles shortened was dipped lightly into the



The radiator grille



This photo shows the completed model. I was most happy with the end result!



This photo shows the completed undersides



Another photo of the completed 'Dora'. Note the 'mud' on the wheels

powder and run along the desired lines. Now this may sound excessive but another light coat of Halfords lacquer was applied. This serves to seal the watercolour and pastel from water vapour and impurities when handling the model. Next, the staining from the exhausts and cannon was sprayed on using a mixture of black and dark earth.

As I mentioned earlier, I chose to 'muddy' the wheels. This was done by mixing some dark earth, or the desired mud colour, with flour (plain or self-raising). The 'mud' becomes thicker as the quantity of flour is increased. The wheels were held on mandrels made from stretched sprue, which together with the tailwheel were held in a bulldog clip. Once the desired consistency was reached, it was applied to the tyres using a fine screwdriver although a piece of card will do just as well. The mud was shaped as it was applied, and the lower ends of the undercarriage legs and covers, wheel wells, fuselage step and tailwheel well were also given this treatment.

Miscellaneous Bits 'n Bobs

Now that the model had certainly 'taken shape', it was time to add the other smaller components, some of which could easily be broken off and swallowed by the carpet! The first area for attention was the undercarriage and fitting the tailwheel was a simple affair. Both the main undercarriage legs were glued to their respective covers and inserted, not glued, into their holes in the wheel wells. The radius struts were glued to the legs, which were very close to their correct positions. Using a fine brush, Plastic Weld was applied to the wing/leg and radius strut/wing joints, and the final attitudes of the legs were achieved. To ensure correct alignment, I always view first from the side; the covers should always be parallel. Then I view from above; the wheel attachment lugs (as the wheels are not yet fitted) should 'come out' of the wing leading edges at the same time as the model is slowly rotated. When viewed from the front the undercarriage should be perfectly symmetrical. Plastic Weld is rapid drying cement, but some small adjustments can be made. Now on to the wheels: these had already been flattened and it was essential that they be fitted with the flat squarely 'on the ground', but first there was a problem that I should have seen coming. The attachment lugs on each undercarriage leg were at right angles to the leg, thus positioning the wheel parallel to the leg. On the Fw 190, the undercarriage projects from the wing at a

pronounced angle when viewed from the front but the wheels are vertical. As I did not want to risk snapping off one or both legs, to rectify this I carefully re-drilled the wheel centres with a slightly larger diameter drill. This cured the problem but made for a sloppy fit so the centres were almost totally filled with 5-minute epoxy and left until very tacky. They were then placed into position as accurately as possible, remembering to align the flats. With the wheels just touching the ground and the model propped up under the wings with paint tins, the fine-tuning of their final positions was done. They were viewed from the side, top (they should be parallel), and front (again they should be parallel) and left to dry.

Next in line were the flaps. On dry running them it was clear that they were marginally too long but the inner portions, with the ribs, were far too deep thus preventing the correct attitude. This was remedied by removal of the thin centre section and filing the rib section until it was about 1/16in thinner. A length of round plastic rod, about 1/16in diameter, was cut to the right length and glued to the 'upper' inside edge of the lower flap panel, the rib panel was glued on top of that, giving the triangular profile to the flap. This was repeated for the other flap and after a little touching up with RLM 02 Grau, they were glued into position with superglue. Flaps can often be fragile and easily broken off, but these seemed very secure. The small block (which I assume is an electrical/pneumatic junction box) in the wing root cannon bay was painted black and removed from its resin casting block. Short lengths of wire were glued into the holes in the block, bent into shape as they converged, and also painted black and trimmed. The wires go into an oval hole (which is blanked off) in the cannon bay wall, and if noticed earlier I would have drilled this hole out and had the wires going through it. But I had no choice but to glue the block into position with the wires going to the hole. I had some metal tubing handy so I cut off two lengths and painted them black. These were then glued into the holes in the wing leading edges ensuring their correct alignment and correct protrusion. A small hole was drilled in the cannon and a length of the provided brass wire was glued in, bent into shape, and painted black. The cannon was glued in place ensuring from the top and side that it aligned with the protruding barrel but the ammunition magazine did not protrude enough. All I could do was to cut out a small piece of black paper and fold it into a channel



The model certainly captures the look of the real thing

section and glue it over the gap. Once done, it was painted black and the cannon and block were lightly brushed with Rub 'n' Buff. A small piece of steel wool was rubbed gently over the ends of the metal cannon barrels just allowing the metal (steel) to show through.

The seat, control column, gunsight, step and FuG 16ZY loop aerial (which I made from brass wire) were glued in place as were the centreline rack attachments and drop tank (which had been weathered in the same way as the airframe). The pitot tube and etched FuG 16ZY Morane antenna were attached, the latter just aft of the port wheel well. This antenna was painted RLM 76 with a wide red band in the middle. The FuG 25a antenna was made from stretched sprue (as it tapers) and glued into a small hole drilled aft of the loop aerial.

The hole for the aerial was drilled in the tail and canopy hood and this, along with the windscreen, was masked off with Parafilm M and painted RLM 81 to match the camouflage and left aside.

Back to the Engine

The most important factor in attaching the engine to the fuselage is its correct placement and alignment. Essentially, the engine is attached to the rest of the airframe by two mounts. The mounts were held against the engine and dry fitted so as to assess whether the engine would be correctly aligned, and I was glad to see that it was. Using 5-minute epoxy, the mounts were glued to the attachment points on the engine and on the firewall at the same time. This meant that any corrections could be done without the assembly drying too fast. Once correctly aligned and glued in place the exhaust stacks were placed using superglue and the piping and wiring were added (from references) using two sizes of brass wire as well as some stretched sprue. I chose to paint the piping RLM 02 Grau. The forward cowl assembly was glued to the front of the engine using 5-minute epoxy as this also requires careful alignment. The forward upper decking was only glued to the forward cowl assembly. Next the two MG 131mm machine guns were glued in position with the barrels projecting through the forward upper decking thus making this part more secure. Ensure that the machine guns are parallel both when viewed from the top and the side. The side engine cowling panels were then glued to the forward upper decking with the careful use of superglue. All the interiors of all the cowl panels were painted RLM 02 with a

light dry brushing of Dark Earth followed by light applications of Rub 'n' Buff. The details of the machine guns and barrels were accentuated using Rub 'n' Buff. Finally, the cowl support rods were added, these were made from fine brass wire and painted RLM 02 Grau.

Finishing

To finish off the assembly of the Dora the wing root cannon cover and pilot's step were attached, and the propeller assembly was superglued in place. The whole model was then given a coat of acrylic matt varnish. It has been suggested that German World War II aircraft had a very dull sheen, but I have found that matt varnish is more representative rather than using a semi-gloss finish. The windscreen was attached using Clearfix and when dry the machine gun cover was carefully glued in place. The canopy was attached using Clearfix and the antenna was added using fine stretched sprue. I have found from photographic references that this antenna was not kept taut as in the A series Focke Wulf. Consequently when the canopy was open (on the Dora) the aerial showed a pronounced droop, sometimes leaving scratches on the canopy frame behind the transparency. The propeller, wing roots, canopy sills and frames, wing leading edges, cowl panels and fuselage were finally treated with thinned silver paint and Rub 'n' Buff in order to show signs of wear.

In Conclusion

I must admit that I was extremely impressed with the detail and fit of both the Tamiya kit and Formatex details set. This project presented a challenge but I felt the end result is an extremely true representation of the real thing. Despite how involved this project was, I thoroughly enjoyed it and would wholeheartedly recommend it to any ambitious modeller above novice standard. For an all-in price tag of around £40 I would consider this exceptional value for money and a must for any Luftwaffe enthusiast.

Nicholas J. Wigman



References:

- Aero Detail 2 - Fw 190 D
- Focke-Wulf Fw-190 by Robert Grimsell
- German fighters in World War Two by Schiffer Publishing
- Monogram Close-Up 10 - Fw 190D-9

Bare-Metal® Foil



For the most realistic natural metal model aircraft you have ever seen, use **BARE-METAL® FOIL**. Often copied, never equalled. This ultra thin adhesive backed foil will go around all compound curves. All detail will show through. You will not lose the panel lines, or rivets. Use a combination of **ORIGINAL CHROME BARE-METAL®**, **MATTE ALUMINIUM BARE-METAL®** and **ULTRA BRIGHT CHROME BARE-METAL®** to vary the panels just like on the real aircraft. Works great for the after burner areas of jets to simulate the titanium metal. Use it to mask anti-glare panels, canopies etc. Leaves no paint edge and paint cannot leak under it. Comes with complete instructions.

Also fantastic for the chrome trim on model cars, trucks, etc. **BARE-METAL® FOIL** comes in 6 x 12" sheets and is available in **ORIGINAL CHROME**, **ULTRA BRIGHT CHROME**, **MATTE ALUMINIUM**, **BLACK CHROME** and **GOLD** for only \$5.00 per sheet and **REAL COPPER** for \$7.00.

NEW! EXPERTS-CHOICE DECALS 1/72 scale limited run \$6.50 each

- | | |
|---|---|
| #72-22 US Nat. Insignia 1943-47.
Blue border. 20-60" | #72-24 US Nat. Insignia 1943.
Red border. 20-60" |
| #72-23 US Nat. Insignia Red bar
from 1947 on. 20-45" | #72-25 US Nat. Insignia 1918-43.
Red dot. 20-60" |
| #48-54 F-16C's New York ANG Syracuse. New Mexico ANG "Tacos" Albuquerque\$10.50 | |

EXPERTS-CHOICE PANEL SCRIBER

Sand off raised panel lines and scribe them in. Actually removes a hair of plastic as you draw it along. Use it to drop the flaps, open canopies, etc. Also open the doors, trunk, hood on model cars. Only \$9.95

Payment by Visa or Mastercard only. Actual postage plus \$1.00 will be charged. Complete catalog included w/order. Catalog only \$5.00

WORLD WIDE WEB <http://www.bare-metal.com>

BARE-METAL FOIL CO. • P.O. BOX 82 • FARMINGTON MI 48332 U.S.A.
248-477-0813 Days • 248-476-4366 Evenings • Fax 248-476-3343

PRONTO MODEL

ITALIAN MAIL ORDER ORGANISATION ONLY

Supermodel 1/72

- SP001 - Fiat CR 32 - Euro 5,16
- SP005 - Cant-z 505 Alcione - Euro 14,46
- SP006 - Reggiane Re 2002 - Euro 5,16
- SP008 - Savoia Marchetti SM 81 - Euro 14,46
- SP009 - Reggiane Re 2000 - Euro 5,16
- SP015 - Reggiane Re 2001 - Euro 5,16
- SP017 - Blohm und Voess bv 138 - Euro 14,98

AGA 1/72

- AG 108 - Armstrong Whitworth Whitley - Euro 12,39
- AG 110 - Gloster Javelin Mk. IX - Euro 6,46
- AG 112 - Bristol Beaufighter Mk. XX - Euro 6,97
- AG 113 - Lockheed P 38J Lightning - Euro 6,97
- AG 133 - Sepecat Jaguar - Euro 6,97

Cunard Model (resin kits) 1/72

- C 001 - Short SC1 - Euro 27,89
- C 002 - Fiat G 59-4A/4B - Euro 27,89
- C 003 - SAI Ambrosini SS4 - Euro 27,89
- C 004 - SAI Marchetti SF 260 - Euro 27,89
- C 005 - SAI Marchetti S211A - Euro 27,89
- C 006 - Reggiane RE 2005 - Euro 27,89
- C 007 - Alenia/Macchi AMX-T - Euro 34,09
- C 008 - Breda BA 201 - Euro 34,09
- C 009 - Alenia/Macchi AMX "Ghibli" - Euro 34,09
- C 011 - Piaggio P 180-DL3 - Euro 34,09

RPM

- RP 104 - PWS Slepak - 1/72 - Euro 5,16
- RP 107 - MiG-3 - 1/72 - Euro 5,16
- RP 108 - Hawker Typhoon - 1/72 - Euro 5,16
- RP 109 - Messerschmitt Bf 109 T2 - 1/72 - Euro 5,16
- RP 111 - Beriev Be-4 - 1/72 - Euro 5,16
- RP 112 - Messerschmitt Bf 109E 1 - 1/72 - Euro 5,16

Freem1/48 plastic kits

- FRO 188/SC - Aeromacchi MB 339 PAN - Euro 25,56
- FRO 288/SC - Aeromacchi MB 339 A with wing armament,
decals for Italian, Argentinian, Dubai, Peru, Air Force -
Euro 28,41 NEW! NEW!

Chematic 1/72

- CH 003 - Hawker Sea Hawk - Euro 5,16
- CH 004 - Supermarine Spitfire Mk. IV - Euro 5,16
- CH 006 - De Havilland SeaVixen - Euro 11,62
- CH 007 - Spitfire Mk. XIV + VI - Euro 5,16
- CH 008 - Fairey Gannet AS-1 - Euro 5,16
- CH 016 - Blackburn Skua - Euro 5,16

Tauro Model Decals NEW NEW NEW!!!!

COLOURED INSTRUCTIONS

- TM72/571 - Tornado IDS low visib. AMI - Euro 6,20
- TM48/505 - reprint AMI serials and code - Euro 6,20
- TM48/515 - reprint Roundies AMI, CC, EI - Euro 6,20
- TM48/567 - Tornado IDS low visib. AMI - Euro 6,20
- TM32/503 - reprint Roundies AMI - Euro 6,20
- TM32/504 - reprint AMI serials and code - Euro 6,20
- TM32/526 - Tornado low vis. AMI stencil - Euro 6,20
- TM32/532 - Tornado low vis. AMI insign. - Euro 7,75

Tauro Model Kits

SUPER OFFER

TM R801 - Fiat (N.A.) F-86K with decals 1/72

Euro 35,42 - Euro 25,82!!!!

Tauro Model catalogue - Euro 4,65 (6,71 by air)

Toko 1/72

- RU 068 - Sopwith 1 1/2 Strutter (2-seat) - Euro 12,65
- RU 092 - Sopwith 1 Strutter trainer - Euro 12,65
- RU 093 - Sopwith 1 Strutter Bomber - Euro 12,65
- RU 094 - Sopwith 1 Strutter Fighter - Euro 12,65

Noix Model (Resin kits) 1/48

- N48-21 - Curtiss CR2 resin w/decals - Euro 77,47
- N48-22 - Curtiss R3C1 resin w/decals - Euro 77,47

GAE publications (It/Eng. text)

- GAE 012 - IMAM RO 43-44 - Euro 12,91
- GAE 013 - Aeromacchi MB 326 - Euro 12,91 NEW!!
- GAE M04 - AVIA FL 3 - Euro 7,75 (mini series) NEW!!
- GAE A01 - FIAT CR 42 in colour - Euro 10,33

**IF YOU WANT THE NEW COMPLETE LIST OF THE 2000, SEND US
Lit. 6,000 IN MONEY OR PAY BY VISA, MASTERCARD, EUROCARD TO:**

**P.O. BOX 32A 10022 CARMAGNOLA (TO) ITALY
OR FAX US YOUR REQUEST: ++39-011-9713983**

ITALIAN/ENGLISH PAGES internet:

www.karmanet.it/prontomd



**Stockists of the largest range of Plastic, Resin and
Vac Form Kits by all major and cottage industry
manufacturers from Academy to Xtravacs.**

Photo-etched parts by Eduard, Reheat, Airwave etc.

**Accessories and conversions by Aeroclub,
Cutting Edge, Kendall, Paragon, True Detail, etc.
Paints by Xtracolor, AeroMaster, Humbrol, Modelmaster.**

Airbrushes - Tools - Books for Modellers

And we **SPECIALISE** in **Decals** and stock **ALL** available
sheets by AeroMaster, Superscale, Xtradecal, Modeldecals,
Experts Choice, Cutting Edge, Ventura, Almark, Carpena, Aussie
Decals, Blue Rider, Daco, Dutch Decals, MAX, ATP, AHS,
Flightpath, Liveries Unlimited, Avigraphics, Skyline and many
more including both civil and military aircraft.

If it's advertised or reviewed in this magazine and connected with
Plastic Modelling try us first. We probably have it in stock.

Send now for our latest 1999 price list which includes.

Over 19,000 items from All Over the World.

UK. £2.50 Europe £4.25 Rest of the World £5.75

Mail Orders to Harbour Road, Oulton Broad, Lowestoft,
Suffolk NR32 3LZ England.

Tel: 01502 517444 (8 lines) Fax: 01502 500521

(all major credit cards accepted)

Visiting London? Our shop is at

159 Colindale Ave. London NW9 5HR. Tel: 0208 205 6697

Next door to Colindale Tube Station, Northern Line,

1/2 mile from the RAF Museum, Hendon

www.hannants.co.uk e-mail sales@hannants.co.uk

Voted No1 for MAIL ORDER

Copper State Models

THE CUTTING EDGE IN MILITARY DETAILS



**WWI Aeroplane
details in NiAg PE,
Resin & White
Metal for 1/72, 1/48,
1/32 & 1/28 scales.**

1/48th multi-media plane kits.

Send No. 10 SASE for complete listing.

Wholesale & retail sales, MC & Visa, Check in USD only.

Visit our web site at:

www.amug.org/~copperst/

3245 E. Hillery Dr. Phx. AZ. 85032 USA

Phone: 602-867-8822. M-F 8:00am-6:00pm MST

Fax: 602-867-1984 24hrs.

Email at: copperst@amug.org



is for airplane



www.eHobbies.com

AOL keyword: eHobbies



Trains | Radio Control | Diecast | Models | Rocketry

Announcing a revolution in model building. The Internet. Okay, you say you've been online. You've searched models. You didn't find anything particularly life-altering. But that was before eHobbies.com, **the ultimate online destination for the serious hobbyist**. At eHobbies, you'll find almost anything a modeler needs, and have it delivered right to your door. You'll become part of a worldwide community of model builders. You'll meet people who have the answers to your questions, people to share your successes with, people who are as passionate about model building as you are. At eHobbies, you'll also find news, product reviews, current events and advice from hobby experts that will keep you up-to-date in your neighborhood. And all around the world. All the pieces have been assembled at www.eHobbies.com.

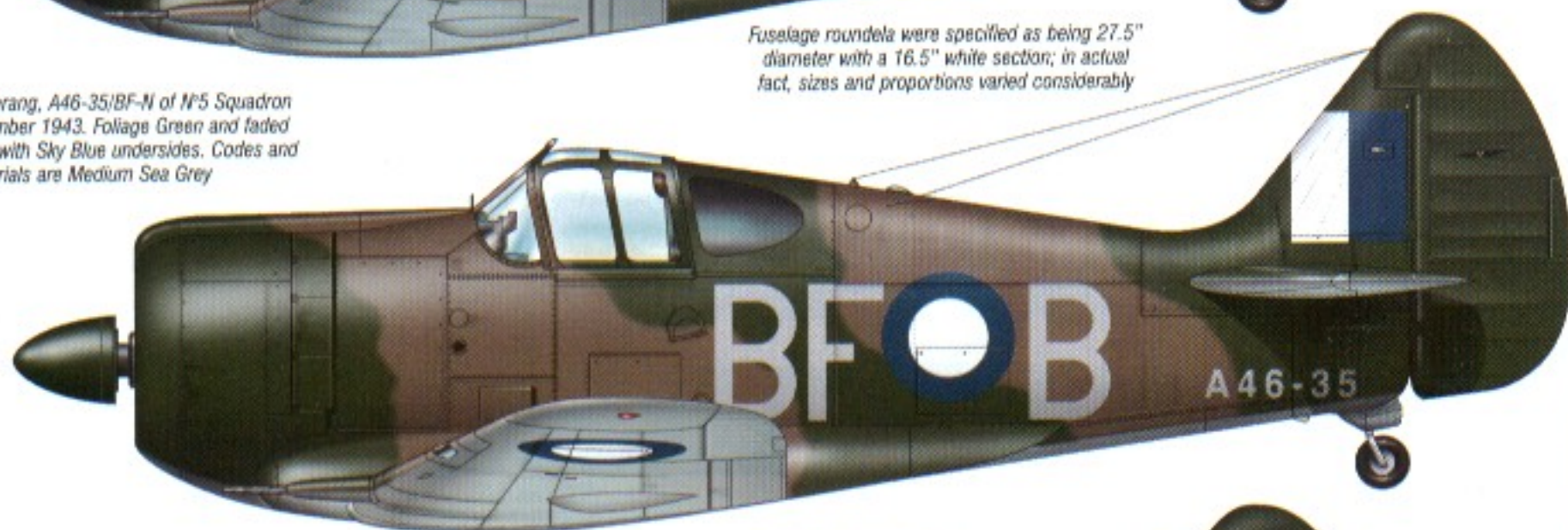
creating a new world for hobbyistsSM

CA-12 Boomerang, A45-29/29, of N°2 OTU at Mildura, March 1943. Dark Green, Earth Brown and Sky Blue scheme with Medium Sea Grey serials and yellow codes

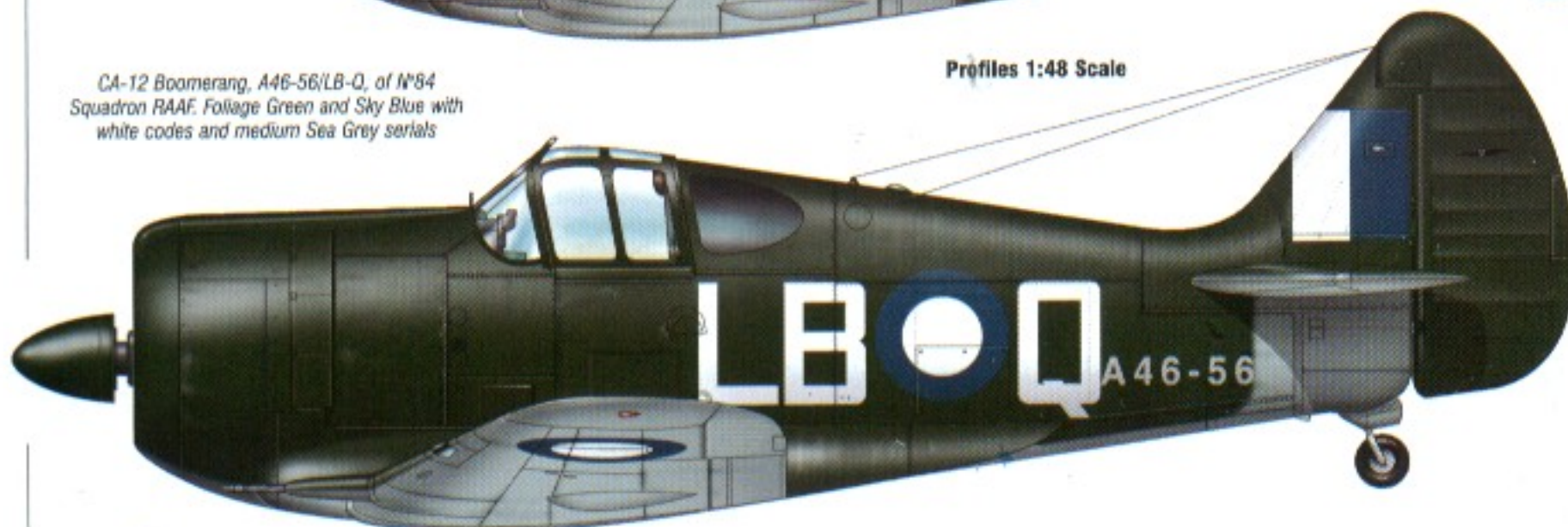


Fuselage roundels were specified as being 27.5" diameter with a 16.5" white section; in actual fact, sizes and proportions varied considerably

CA-12 Boomerang, A46-35/BF-N of N°5 Squadron RAAF, November 1943. Foliage Green and faded Earth Brown with Sky Blue undersides. Codes and serials are Medium Sea Grey



CA-12 Boomerang, A46-56/LB-Q, of N°84 Squadron RAAF. Foliage Green and Sky Blue with white codes and medium Sea Grey serials



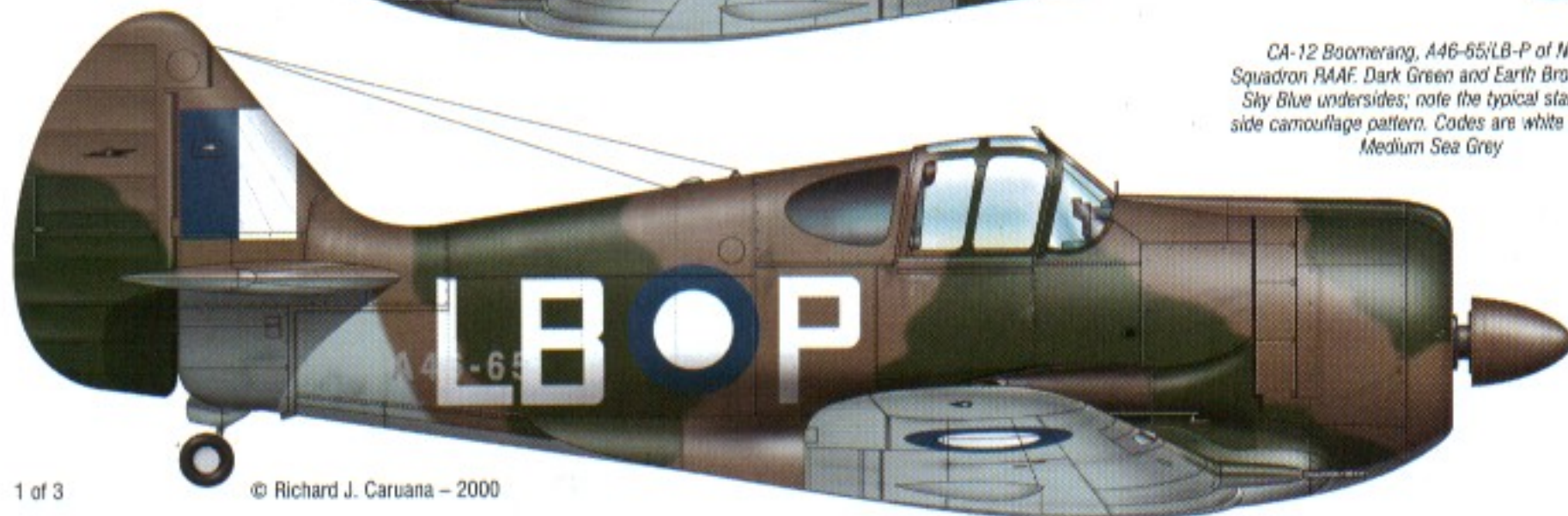
Profiles 1:48 Scale



CA-12 Boomerang, A46-57/BF-K of N°5 Squadron RAAF, 1944. Dark Green and Earth Brown uppersurfaces with Sky Blue undersides. Codes are Medium Sea Grey and serials, though the latter are darker on the Sky Blue areas



CA-12 Boomerang, A46-65/LB-P of N°84 Squadron RAAF. Dark Green and Earth Brown with Sky Blue undersides; note the typical starboard side camouflage pattern. Codes are white serial is Medium Sea Grey



The idea that Australia should produce its own fighter had originated in 1938 as a separate version of the Wirraway, itself a derivative of the North

American NA-33 which the Commonwealth Aircraft Corporation (CAC) was producing under licence at its Fishermen's Bend facilities. This proposed little more than a strengthened Wirraway, converted to a single-seater. It was quickly realised that performance would be nowhere near that required of a modern fighter.

Alternate plans were made to acquire fighter aircraft from other sources, although aircraft under consideration, or even acquired, were of dubious value; one such was the Brewster Buffalo, six examples of which formed the sole defence of Perth as part of No 25 Squadron, RAAF! Events at Pearl Harbour on that fateful Sunday morning of December 7, 1941 (see 'Tora-Tora-Tora', SAMI Vol. 4/9, Sept. 1998) jolted the RAAF into serious re-evaluation of the situation, as Japan's expansive ambitions certainly included an invasion of



Squadron Leader Cook leading a section of Boomerangs from No 5 Squadron in his A46-128 which carries a personal marking: "U-Beaut 2". Comparison of the difference in the colour fading of these aircraft is very interesting

Panic Boom

Australia as one of its objectives. Four days later, preliminary sketches were presented by CAC, essentially proposing the marriage of a modified Wirraway airframe to a Pratt & Whitney R-1830-3C4-G Twin Wasp, then the most powerful engine available in Australia. In fact, this engine had already been adopted for licence-built Beauforts as early as October 1939. The 14-cylinder Twin Wasp radial offered 1200hp for takeoff and CAC had built a special manufacturing plant at Lidcombe in New South Wales for its production.

On December 21 1941, CAC received approval to move onto detail design, the Australian War Cabinet announcing a contract for 105 examples (A45-1 to -105) on February 2 1942, without requesting any prototypes. 'Boomerang' was the name chosen for the new fighter.

Extensive Redesign

Problems with the design of the new fighter became immediately apparent, and what at first appeared to be a simple marriage of an existing airframe and an existing engine did not work out so smoothly. Lessons learnt from other theatres of war proved that modern fighter aircraft undergo enormous strains during combat. To provide the new fighter with a higher rate of roll, the outer sections of the wing were shortened. The provision of a stronger undercarriage forced a total redesign of its wells and fairings. This

Though the Royal Australia Air Force (RAAF) had been supporting allied forces on many fronts from the opening days of World War II, it had to be the eruption of the conflict in the Pacific, particularly the infamous episode at Pearl Harbour, which highlighted the possibility of an attack on Australia's mainland. The scenario of the war in Europe left little hope that Britain could supply any aircraft to counter this threat; the only alternative was to design and build an indigenous fighter. Richard J. Caruana describes and illustrates the history of the Boomerang, which from its humble origins as a panic fighter became a legend to all those who flew it.

meant that the original idea of using the Wirraway's wing centre-section had to be scrapped, although care was taken so that most of the previous aircraft's jigs could still be employed in producing the new wing.

The shortened fuselage was built around a steel tube frame in one piece as opposed to the Wirraway's four bolted sections. The front section was metal-covered while part

of the cockpit, the sides and top were covered in plywood. Heavy modifications went into the forward fuselage which was stressed to take a 100% increase in power together with a much higher fuel capacity. Most of the original Wirraway tail was retained.

Wing armament in the form of four 7.7mm Browning guns (two in each wing) with 1000 rpg posed no procurement

problem. However, the specified 20mm cannon was, as yet, unavailable. CAC did not even possess one to use a pattern. A RAAF sergeant who had served in the Middle East came to the rescue, offering a Hispano 20mm cannon which he had brought home as a 'souvenir'! From this, CAC produced manufacturing drawings from which a subcontractor, Harland Engineering, could manufacture the weapon together with a spring-fed magazine and recoil-driven belt-feed

booster. There was one more problem - 20mm ammunition. So production of 20mm cannon shells had to get under way as well. This meant that the first production Boomerangs had to be produced without cannon armament.

Barely 16 weeks after design had started, the first CA-12 Boomerang (A46-1) was taken up for its first flight by CAC test pilot Ken Frewin, on May 29 1942. Test flights over the following two months proved the Boomerang to be an exceptional aircraft, considering the panic surrounding its gestation. Although modest in terms of speed, it excelled in manoeuvrability and possessed an impressive rate of climb. During comparative trials it held its own against the P-40 Kittyhawk and P-39 Airacobra notwithstanding its inferior speed; the Spitfire, understandably, came out on top on most counts, except in range.

Olga

CA-12 Boomerang, A46-121, OE-N of N°4 Squadron, based at Balikpapan, 1945. Foliage Green overall. Codes are white while serials are in Medium Sea Grey.



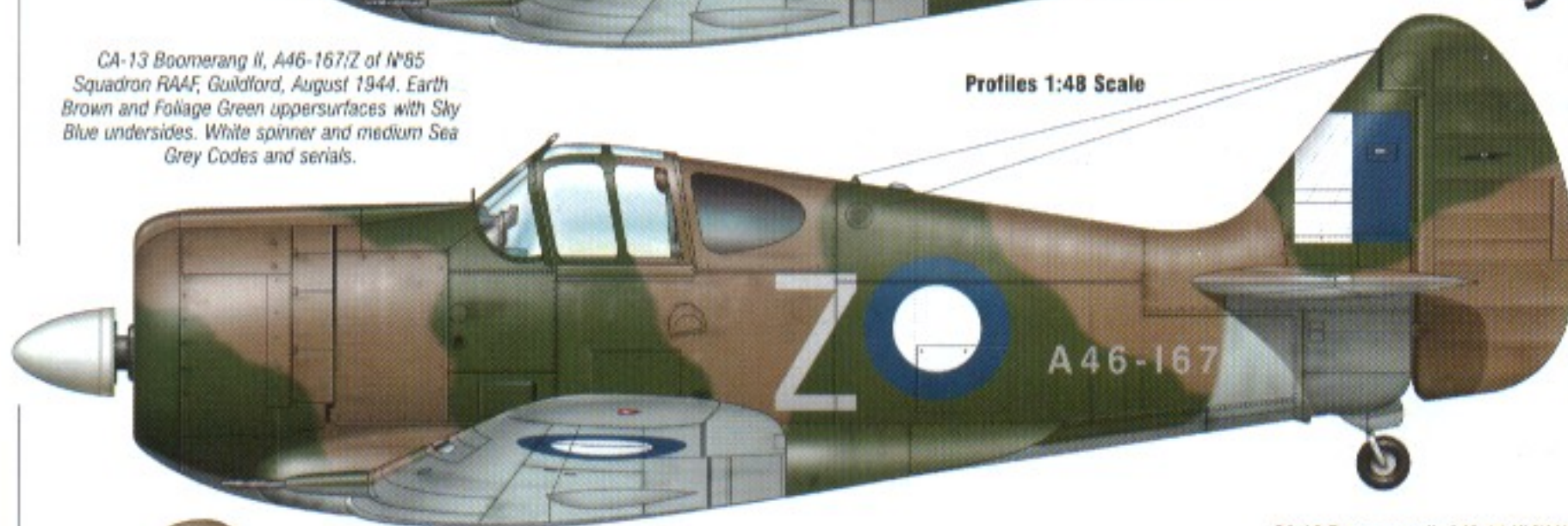
Commonwealth CA-19 Boomerang II, A46-238/BF-M of N°5 Squadron RAAF, 1945. Foliage Green overall with white rear fuselage section, wing leading edges and spinner. Codes are in Medium Sea Grey while serials are black.



CA-13 Boomerang II, A46-128/BF-N of N°5 Squadron, RAAF, flown by Sqn Ldr Cook, April 1944. Dark Earth and Foliage Green with Sky Blue undersides. Medium Sea Grey codes and serials while the spinner is bright green.



CA-13 Boomerang II, A46-167/Z of N°85 Squadron RAAF, Guildford, August 1944. Earth Brown and Foliage Green uppersurfaces with Sky Blue undersides. White spinner and medium Sea Grey Codes and serials.



Profiles 1:48 Scale



CA-13 Boomerang II, A46-144/MH-X of N°83 Squadron, Amberley, 1945. Light Earth/Foliage Green/Sky blue though brown could be faded Dark Earth. Codes are white while serials are in Medium Sea Grey. Note unusual proportions and size of fuselage roundel and how the 'H' is partially overpainted onto it.



CA-12 Boomerang, A46-95/ZA-O of N°8 Comm. Unit, RAAF, 1944. Dark Green/Earth Brown/Sky Blue scheme with white upper and lower surfaces of horizontal tail surfaces, fin and rudder, and wing leading edges. Codes are white while serials (4 inch) are Medium Sea Grey

CA-12 Boomerang, A46-228/BF-R of N°5 Squadron, RAAF, February 1945. Foliage Green overall with white tail section, spinner and wing leading edges. Codes and '228' on cowling are Medium Sea Grey while serial is black

Profiles 1:48 Scale



CA-12 Boomerang, A46-137/QE-Z, of N°4 Squadron, RAAF, June 1944. Dark Green/Earth Brown/Sky Blue scheme with all white tail section and leading edge of wings (top side only). Codes and serials in Medium Sea Grey, while top of fin and rudder are mid-blue

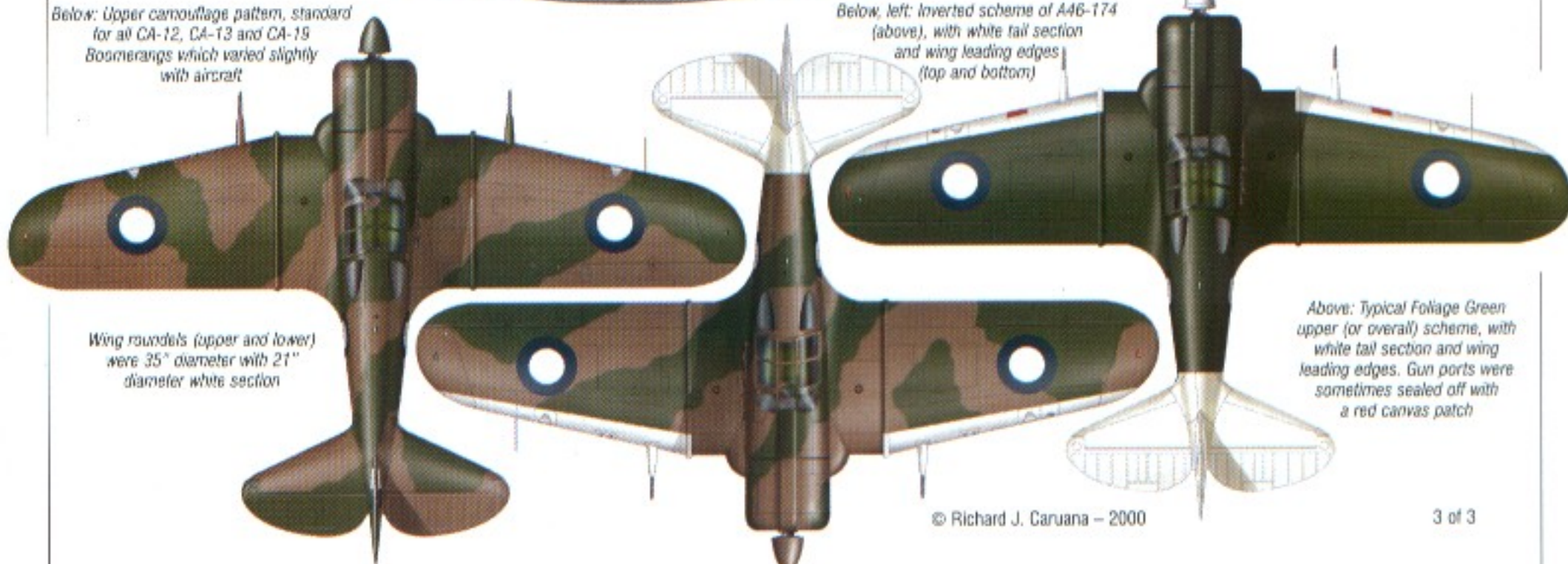


CA-13 Boomerang II, A46-174/QE-Y, flown by PO Stan Broadhead of N°4 Squadron, RAAF, Cape Gloucester, May 1944. Earth Brown and Foliage Green with Sky Blue undersides. White rear fuselage, tail section, and wing leading edges. Medium Sea Grey codes and serials. Note inverted upper colours



Below: Upper camouflage pattern, standard for all CA-12, CA-13 and CA-19 Boomerangs which varied slightly with aircraft

Below, left: Inverted scheme of A46-174 (above), with white tail section and wing leading edges (top and bottom)



Wing roundels (upper and lower) were 35" diameter with 21" diameter white section

Above: Typical Foliage Green upper (or overall) scheme, with white tail section and wing leading edges. Gun ports were sometimes sealed off with a red canvas patch



A pair of CA-12 Boomerangs from No 2 Operational Training Unit, which helped pilots transit to the new type which, at first, proved tricky to fly, especially during landing

Service Evaluation and Use

The first examples to arrive at No 2 OTU at Mildura late in the summer of 1942 sparked off a series of events which nearly brought about the Boomerang's demise. Certain design aspects had obviously been overlooked due to the urgency with which it was being produced. One of these was the airscrew spinner. Its design improved the flow of air to the engine, but its back plate came loose on many occasions, causing substantial damage. Until it could be replaced by reinforced unit, pilots were forced to fly with the cooling gills partially open. The tendency for guns to freeze at altitude was eventually cured by bleeding hot air from the exhausts to the gun bays. Most serious of mishaps was a string of landing accidents, mainly due to pilot inexperience.

Delivery to RAAF squadrons proceeded even while these teething troubles were being sorted out, OTU pilots eventually going to form No 83, 84 and 85 Squadrons. Their experience, however, suggested that the Boomerang would be no match for what would certainly have been its main opponent, the Mitsubishi A6M Zero. It was recommended that its use be limited to that of home defence or, at most, as a night fighter. This did not deter the RAAF from ordering more Boomerangs for its squadrons, and when CAC completed its first batch of 105 aircraft it immediately started work on a second order of 95 examples (A46-106 to -200) under the designation of CA-13. In actual fact, these aircraft differed little from the previous CA-12, except for metal covered ailerons, flame-damping exhaust and wooden wingtips instead of the previous metal ones. Some of the aircraft in this batch were also fitted with treaded tyres taken from ex-P-38 stocks.

Digger with a Mission

It was in the Army co-operating role that the Boomerang was to find its niche. No 4 Squadron, which in summer of 1943 was still flying Wirraways with resounding success in the 'spotting' role, started to receive the new stubby aircraft. Deployed at

Port Moresby in support of Australian troops fighting in New Guinea jungles, Wirraway losses from anti-aircraft fire were high. So at first, the Boomerang pilots proved top cover for the Wirraways operating at minimum altitude, but soon the 'Boomer Boys' began to venture down. They too mastered flying at low levels through mountain passes, valleys and jungle to locate enemy gun positions, laying markers for Army gunners. Once a Japanese gun position was located, Boomerangs presented themselves as bait to force the enemy to reveal its position by firing back, leaving the rest to the artillery, or to other aircraft such as the Kittyhawk. No 4 Squadron continued to give its valid support to Allied troops during the Cape Gloucester landings, after which it moved to Morotai, ending the war in Borneo before returning home in November 1945.

No 84 Squadron, which was formed at Richmond (New South Wales) on February 4 1943, deployed to Horn Island with its Boomerangs two months later. Together with No 86 Squadron flying Kittyhawks, this unit shared the responsibility for the air defence of Horn Island and Merauke, where enemy activity was generally weak. While 84's Boomerangs participated in a number of aerial interceptions, their results were far from brilliant, and by September had exchanged their mounts to Kittyhawks. No 5 Squadron deployed to Bougainville Island in November 1944 on receiving its Boomerangs, where it emulated No 4 Squadron's jungle exploits.

Ground forces in the Pacific theatre soon came to regard the Boomerang as the 'bulldozer of the sky' as they sent lurking Japanese scurrying for shelter, knocking off sniper positions and generally

Technical Data

Commonwealth Aircraft Corporation CA-13 Boomerang II Specification

Type: Interceptor/Reconnaissance Fighter

Power Plant: One 120hp CAC-built Pratt & Whitney R-1830-3C4-G Twin Wasp

Performance: Maximum speed - 439k/hr (273mph); at 4,724m (15,500ft) - 490k/hr (305 mph); cruising speed - 306k/hr (190mph); initial rate of climb - 900m/min (2,940ft/min); ceiling - 10,363m (34,000ft)

Range: Maximum, with 318 litre (70 gall) drop tank - 2575 km (1,600 miles); normal range - 1497km (930 miles)

Dimensions: Span - 10.97m (36ft); length - 8.15m (26ft 9in); height - 3.96m (13ft); wing area - 20.9ms (225 sqft)

Weights: Empty - 2437kg (5,373lb); maximum - 3742kg (8,250lb)

Armament: Two 20mm Hispano Mk. II (CAC-built) cannon with 60rpg and four 7.7 (0.303in) Browning machine guns with 1000rpg

Note: Surprisingly enough, various sources provide differing dimensions for the Boomerang. On checking with numerous authorities, the author believes that these are the most reliable.

FS595 COLOUR EQUIVALENTS

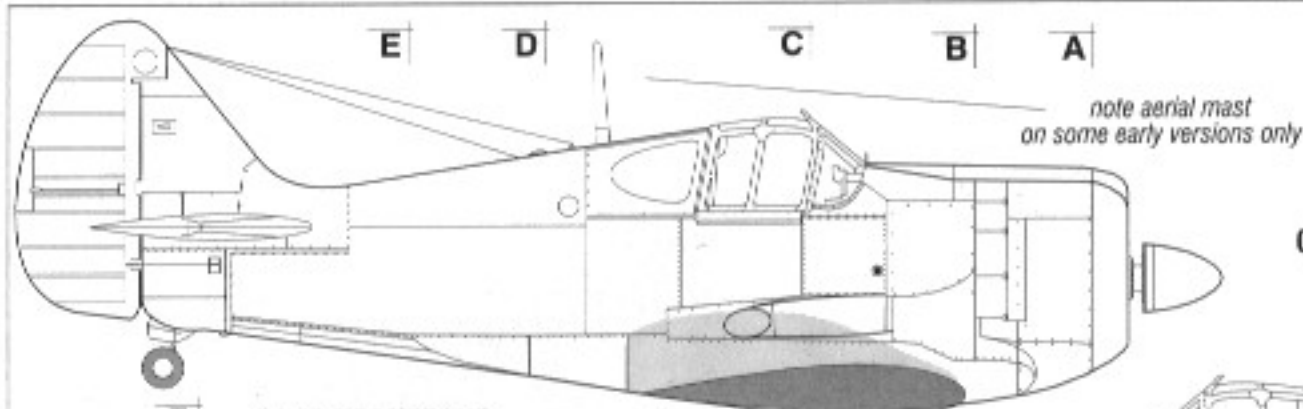
COLOUR	FS 595a
ALUMINIUM	27178
YELLOW K3/185	23538
MEDIUM SEA GREY	26270
LIGHT EARTH	20219
IDENT RED DULL K3/199	20166
IDENT RED DULL K3/196	25050
IDENT BLUE LIGHT	25158
FOLIAGE GREEN K3/178	24092
EARTH BROWN K3/177	20099
SKY BLUE K3/195	25550

eliminating ambushes and traps. Pilots would get close enough to identify uniforms before opening fire and if ground radio was out, a wire with a message attached to it would be strung between two trees, and the Boomer pilot would retrieve it with a hook! On one occasion, a Boomerang went down to the rescue of a ground detachment which was under heavy fire after noticing a 'digger' waving his slouch had. In no time, the



Superb view of a CA-13 Boomerang II, A46-228/BF-R of No 5 Squadron, warming up prior to another jungle sortie on Bougainville where it would lead RNZAF Corsairs onto enemy targets

CA-12/13/19 Boomerang

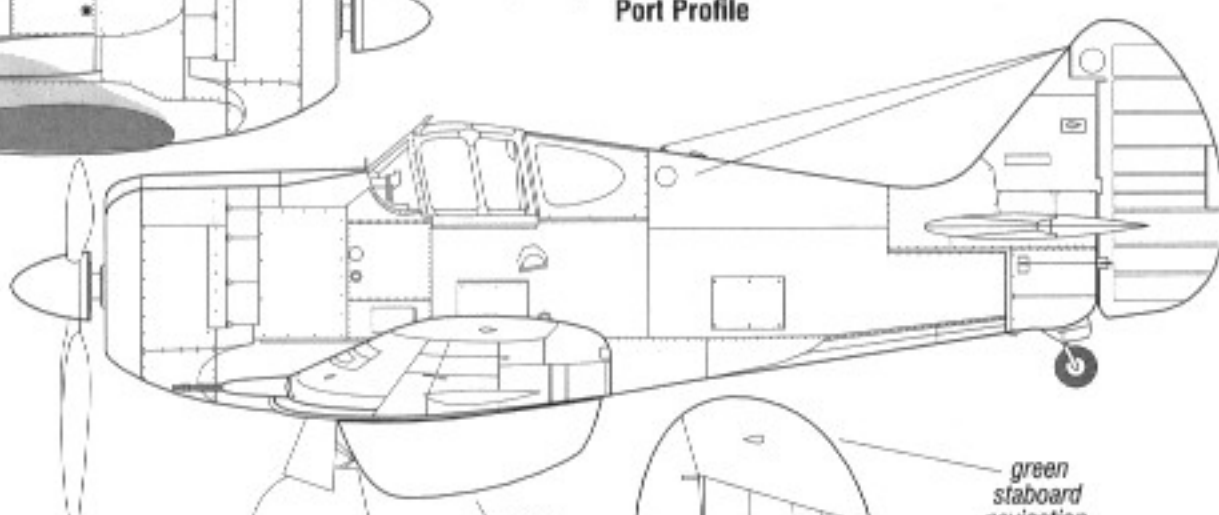


CA-12 BOOMERANG
Starboard Profile

wing omitted to show
early style exhaust
tube detail
(this side only)

CA-13/19 BOOMERANG II
Starboard Profile

aircraft is shown with
late style flame
dampers



CA-13/19 BOOMERANG II
Port Profile

non-retractable
tailwheel

pilot tube
this side only

fabric-covered
ailerons
on CA-12
versions
only

CA-13/19 BOOMERANG II
Upper Plan

CA-13/19 BOOMERANG II
Inverted Plan

green
starboard
navigation
light
(above and
below wing)

three formation
lights
from A46-36
onwards

red port
navigation
light
(above and
below wing)

20mm Hispano
cannon
(60 rounds)

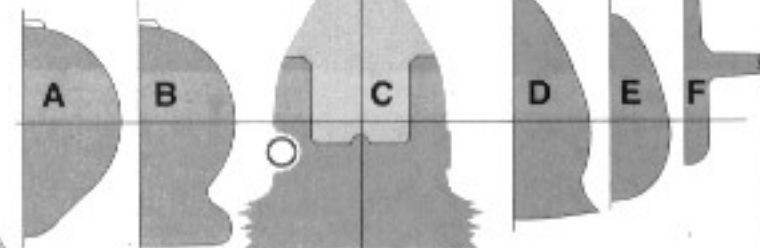
7.7mm Browning
Machine Guns
(1000 rpg)

landing
light

C.A.C. logo
usually carried on
centre of rudder

CA-13/19 BOOMERANG II
Front View

CA-12/13/19 BOOMERANG
Fuselage Cross-Sections



scrap view of
Hamilton Standard
airscrew (3.35m diameter)

DRAWINGS BY
RICHARD J. CARUANA
© 2000

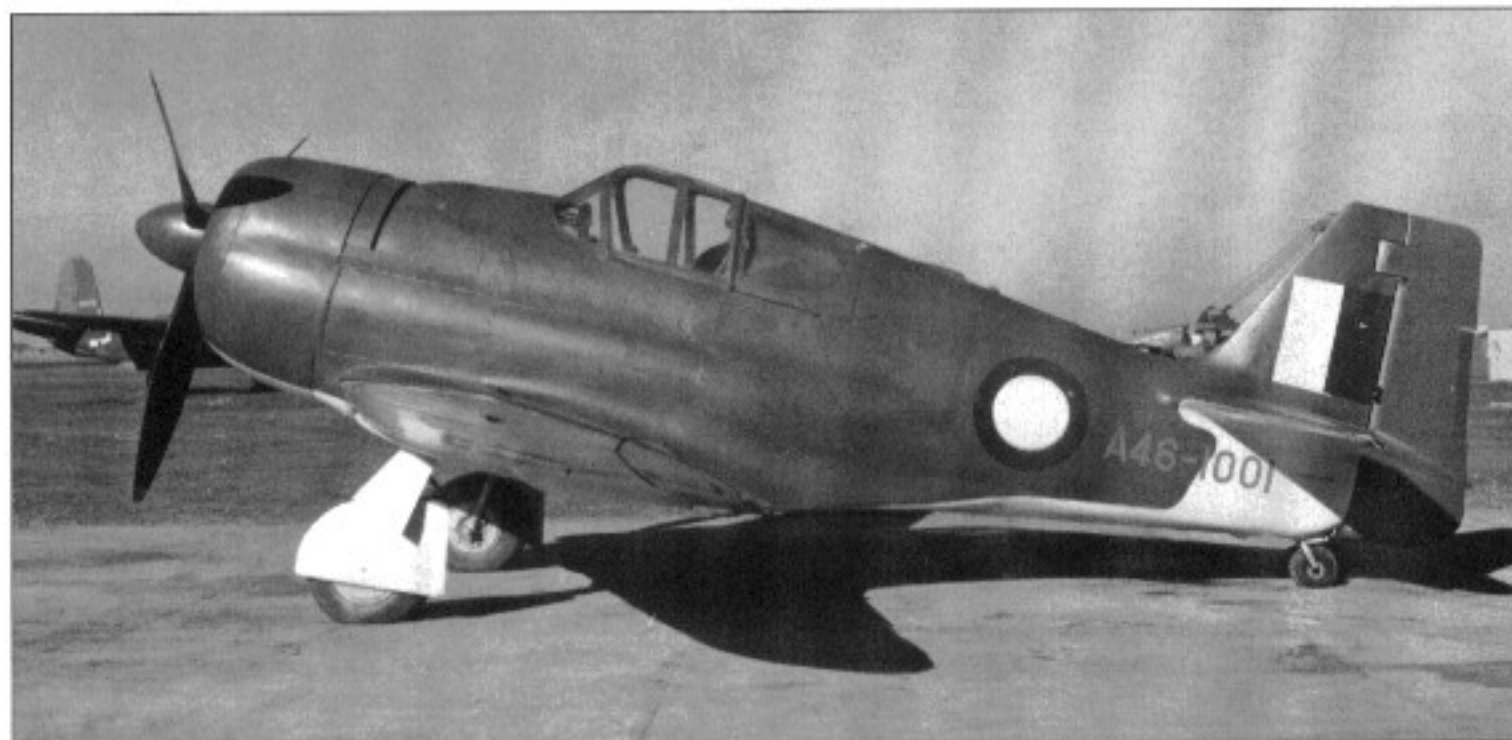
ventral plywood drop tank
318 litres capacity

0 metres 1 2
0 feet 3 6
scale: 1/72

pilot chopped off the top of a tree, together with a sniper's nest, using cannon fire.

Apart from guiding artillery fire, Boomerangs were also used to mark targets which were out of reach of the guns with 20lb smoke bombs and lead Royal New Zealand Air Force (RNZAF) Corsairs to the spot, flying around until the enemy position was destroyed. This created an excellent working relationship between the 'Kiwis' and the Boomer pilots, who became known as 'Smokey Joes', and to whom No 20 Squadron RNZAF attributed the most effective strikes of their tour.

More Boomerangs were ordered as CA-19s (A46-201 to -249) which brought total production of the type to 249; all the aircraft in this block were issued with treaded tyres. To this total one must add the sole turbocharged version CA-14/14A prototype (A46-1001) which saw no further development in spite of extensive evaluation having been carried out by Sqd Ldr J.H. Harper at No 1 APU. It is also of interest to mention the conversion of a Boomerang, also at 1 APU, into a two seater, with the second position placed behind the pilot, thus seating an observer who could record instrument and performance data. Meanwhile, licence production of much more advanced fighters, such as the Mustang, had been



The sole turbo-supercharged CA-14A prototype (A46-1001) with its revised fin and rudder... inspired by that of the Mustang, possibly?

established and production of the indigenous panic fighter came to an end with the delivery of A46-249 on February 1, 1945.

The appellation of 'Boomerang' was most befitting to the first fighter designed and produced in Australia. However, the nickname given to the pilots who flew it was even more appropriate, as the 'Boomer' is the male of the largest species of Kangaroo, an animal known for its

agility and persistence. Notwithstanding the Boomerang's limitations and vices, Boomer Boys carried the name with pride wherever they fought.

Richard J. Caruana

Acknowledgements: To Neil Mackenzie, who many years ago provided me with exhaustive details about the subtle variations of production Boomerangs, together with considerable colour details.

Argentine Skyhawks Post-Script

Our friend Pablo Calcaterra wishes to add the following comments to the feature which appeared in SAMI Vol. 5/9 (September 1999): Guadalupe hit the mast of HMS Antelope, not Ardent. Two bombs which hit the ship during this attack exploded when they were being de-activated, sinking the ship. As for the attack of the 25th, Palaver did not participate in the attack on HMS Coventry, as he was attacking the beachhead. Finally, we unfortunately missed crediting one of the photographs, which was supplied by Guillermo Sentis.

Modelling the Boomerang

Kits

Scale	Manufacturer	Type	Kit No.	Subject	Availability	Remarks
1/72nd	Airfix	IM	2099	CA-13 Boomerang	OP	-
1/72nd	Hobby Klub	VF	2711	CA-13 Boomerang	N/K	-
1/72nd	MPC	IM	-	-CA-13 Boomerang	OP	Ex-Airfix
1/72nd	Plasty Modelle	IM	-	CA-13 Boomerang	OP	Ex-Airfix
1/72nd	Tasman	IM/VF/WM	1003	CA-12 Boomerang	OP	-
1/72nd	Tasman	IM/VF/WM	1004	CA-13/19 Boomerang	OP	-
1/72nd	WK Models	R/VF	WK102	CA-13 Boomerang	OP	-
1/48th	Ltd Models	IM/VF/R	9806	CA-13/19 Boomerang	OP	Limited Run
1/48th	Raccoon Models	R/VF	-	CA-13 Boomerang	OP	-
1/48th	Tasman	IM/VF/WM	KW4801	CA-12 Boomerang	OP	Limited Run 'Kiwi Wings' series
1/48th	Tasman	IM/VF/WM	KW4802	CA-13 Boomerang	OP	Limited Run 'Kiwi Wings' series
1/48th	Tasman	IM/VF/WM	KW4803	CA-19 Boomerang	OP	Limited Run 'Kiwi Wings' series
1/48th	Triangle	R/VF	48-4	Boomerang	OP	-
1/32nd	Fun Models	VF/WM	-	CA-13 Boomerang	OP	-

Accessories

Scale	Manufacturer	Type	Product No.	Subject	Availability	Remarks
1/72nd	Engines & Things	R	72071	Pratt & Whitney R-1830	CA	-
1/72nd	Hi-Tech	R/EB	72502	Pratt & Whitney R-1830	CA	-
1/48th	Hi-Tech	R/EB	48502	Pratt & Whitney R-1830	CA	-
1/48th	Koster	R	013	Pratt & Whitney R-1830	CA	-
1/32nd	Engines & Things	R	32016	Pratt & Whitney R-1830-90	CA	-

Decals

Scale	Manufacturer	Product No.	Subject	Availability	Remarks
1/72nd	PD Models	72014	CA-13 Boomerang	OP	No. 4 Sqn, RAAF
1/48th	AeroMaster	48153	CA-13 Boomerang	CA	'RAAF Collection'
1/48th	PD Models	48013	CA-13 Boomerang	OP	No.4 Sqn, RAAF (Pt.1)
1/48th	PD Models	48014	CA-13 Boomerang	OP	No.4 Sqn, RAAF (Pt.2)



Key
 CA = Currently Available
 EB = Etched Brass
 IM = Injection Moulded Plastic (inc Limited-run)
 OP = Out of Production
 R = Resin
 VF = Vac-formed Plastic
 WM = White Metal (inc Pewter)

THE POPPY APPEAL PROVIDES ONLY 1/2 THE FUNDS WE NEED

The Royal British Legion is dedicated to help serving and ex-servicemen and women and their families...

...1,000 people are helped to visit war graves every year

...over 300,000 calls for help are answered every year

...54,000 people are helped with war pensions every year

...5,000 people are helped with a stay in our homes every year

...100,000 visits are made each year to the housebound or those in hospital.

If you would like to join The Royal British Legion, or to know more, or make a donation please call **08457 725 725** or visit our internet site **www.britishlegion.org.uk**
Reg. Charity No. 219 279



SENTAI INTERNATIONAL

SCALE AIRCRAFT PRODUCTS SUPPLIER TO THE WORLD

Trumpeter 1/32 scale MiGs 4-kits \$29.98

TP 32204 F-2/MiG-15bis, day fighter.

TP 32003 FT5/MiG-15UTI, 2-seater.

TP 32205 F-5/MiG-17, day fighter.

TP 32206 F-5A/MiG-17PF, radar nose.

AA Models 1/48 scale MiGs 10-kits \$24.98

AA 48001 Chengdu F-7II (MiG-21).

AA 48002 F-7E, cranked arrow wing.

AA 48003 F-7E/MG, cranked arrow.

AA 48004 Shenyang F-8II Finback.

AA 48005 F-8IIM, full weapons.

AA 48006 Nanchang A-5C Fantam.

AA 48008 Shenyang FH-7, 2-seater.

AA 48009 FBC-1 Leopard.

AA 48011 F-6-3/MiG-19 late China.

AA 48012 MiG-19.



15,000 kits, decals, books, finishing products, Sci-Fi, resin, vinyl & collectible products.

RETAIL/WHOLESALE!

(818) 886-3113 FAX (818) 886-2551
8839 Shirley Northridge, CA 91324

INTERNET: www.plasticmodels.com
E-MAIL: platicm@pacbell.net

TW 08101	1/48 MiG-21 decals China	\$8.75	WB 32-135	1/32 Seversky P-35	\$14.63
TW 08102	1/32 MiG-17F/PF/J-5 decal	\$9.75	WB 32-400	1/32 '31 Laird Solution	\$14.63
TW 08103	1/32 MiG-15bis decals	\$9.75	WB 32-426	1/32 '31 Gee Bee	\$14.63
TW 08104	1/48 MiG-17F/PF/J-5 decal	\$8.75	WB 32-460	1/32 '33 French C.460	\$13.13
TW 08105	1/48 MiG-15bis decals	\$9.75	WB 32-711	1/32 '32 Gee Bee	\$14.24
TW 08106	1/48 F-8IIM Finback	\$9.75	WB 32-932	1/32 '32 Halls Bulldog	\$14.99
TW 08107	1/48 FH-7/FBC-1 China	\$8.75	WB 32-F9C	1/32 '30 Sparrowhawk	\$15.74
TW 08108	1/48 A-5A/B/C Fantam	\$8.75	WB 48-161	1/48 '31 PCA Autogiro	\$15.74
NFAF 202	N/A F-86D/K/L pt.1 96pgs	\$15.00	WB 48-661	1/48 '26 Ford Fliver	\$8.63
NFAF 204	Lockheed NF-104A 44pgs	\$9.00	WB 48-3191	1/48 '35 Corbin Ace	\$8.63
NFAF 205	McDonnell XF-88 56pgs	\$10.00	WB 72-210	1/72 Martin B-10B	\$14.24
DR 2508	1/72 YF-22 ATF Lightning	\$7.49	WB 72-214	1/72 Gamma Sky Chief	\$8.24
MC 14451	1/144 USAF C-32A (B757)	\$12.00	WB 72-247	1/72 Boeing B-247	\$14.63
RMX 85-4672	1/144 Boeing 747/400	\$12.19	WB 72-346	1/72 C-46 Commando	\$18.74
			WB 72-424	1/72 '24 World Cruiser	\$12.38

Shipping \$5.00 USA, all others (surface) \$20.00 or 30% of invoice value whichever is greater.

15,000 kits, decals, books, finishing products, Sci-Fi, resin, vinyl & collectibles
RETAIL/WHOLESALE!

(818) 886-3113 FAX (818) 886-2551
8839 Shirley Avenue, Northridge, CA 91324
INTERNET: www.plasticmodels.com
E-MAIL: platicm@pacbell.net

Cost of 99-2000 Retail Catalog & Newsletters: USA, Canada & Mexico \$6.00, all others \$20.00.
Dealer Inquiries Welcome! VISA & Master Card accepted

MR & ME'S WORLD OF MODELS



....clear for
take-off

Visit our shop or give us a call and you'll know that there's much, much more to MR & ME. Stacked to the ceiling with kits from all over the world we are a magnet for enthusiasts from all over the country. Small wonder that MR & ME is one of the fastest growing hobby retailers in the UK. Come and visit us soon.



* HANGAR DOORS OPEN 7 DAYS *

9-30-6-00 MON-SAT :11-00-3-00 SUNDAY
166 BEDFORD ROAD KEMPSTON MK42 8BH

HOTLINE : 01234 852780 24 HR FAX : 01234 305101

STOCKISTS OF : Academy, AER, A-Model, Airfix, AFV Club, Blue Max, Czech Model, DZI, Dako, Dragon, Emhar, Encore, Flashback, Glencoe, Hasegawa, Heller, Hobbycraft, Huma, Italeri, ICM, Interavia, JB Models, Kopnak, Mirage, Monogram, Nova, NovoExport, PM Model, Revell, SMER, Tasman, Tilly, Testors, Toko, Ventura & Zvezda. Full range of paints and materials.

IPMS Members!!
On production of a
valid IPMS card
5% discount
is available.

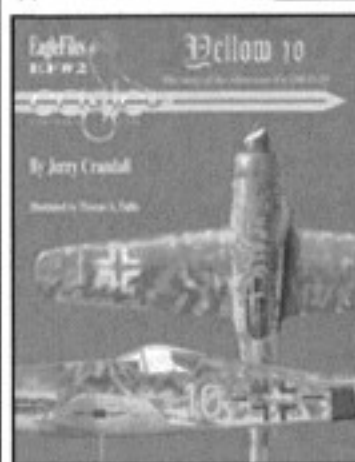
In Stock: Full Range of Aeromaster Paints and Decal Sheets

EAGLE EDITIONS LTD.



EagleFiles #2 "Yellow 10"

by Jerry Crandall examines in extreme detail, the entire life of this elusive, one of a kind aircraft Fw 190 D-13 now showcased at Champlin's Fighter Museum. Featuring over 70 rare photos of the D-13, most never before published, plus full color illustrations by Tom Tullis. The fascinating story of the original discovery, journey and ultimate destination is presented. Also included: the Bf 109 G-10 found with the D-13; D-11 plus notes on the rare D-12 prototype and color notes for the modeler. Price: \$30.00 USD



EagleCals #19 includes 4 Fw 190 A/C featuring the D-13 "Yellow 10". Color instructions; 48 or 72. Price: \$9. USD

Coming soon:

EF#3 by Brett Green; a study of the Late War Bf 109

Eagles Illustrated; full color profiles series by Tom Tullis. Vol. 1 April 2000

Latest EagleCals Releases, 48 or 72, Price \$9. USD:

EC#15 Bf 109 K-4s EC#17 Hs 129s & EC#18 Hs 129s
EC#16 Bf 109 G-10s

EagleFiles #1: Doras of the
Galland Circus
Book & Decals also available.



For these and our other items, contact your local Hobby Shop or

Eagle Editions Ltd. * P.O. Box 580 *
Hamilton MT * 59840 USA

(406) 363-5415 office (406) 375-9270 fax

eagle@bitterroot.net www.eagle-editions.com

Dealer Inquiries Invited



Camouflage and Markings, Imperial Japanese Air Forces, 1937-1945

Imperial Japanese Army Aircraft 1942-1945

1942-43 Camouflage Light Grey-Green

While aircraft operational in the China theatre could be seen wearing camouflage specially applied for the purpose, the standard late thirties and early forties IJAAF colour scheme remained overall low-sheen

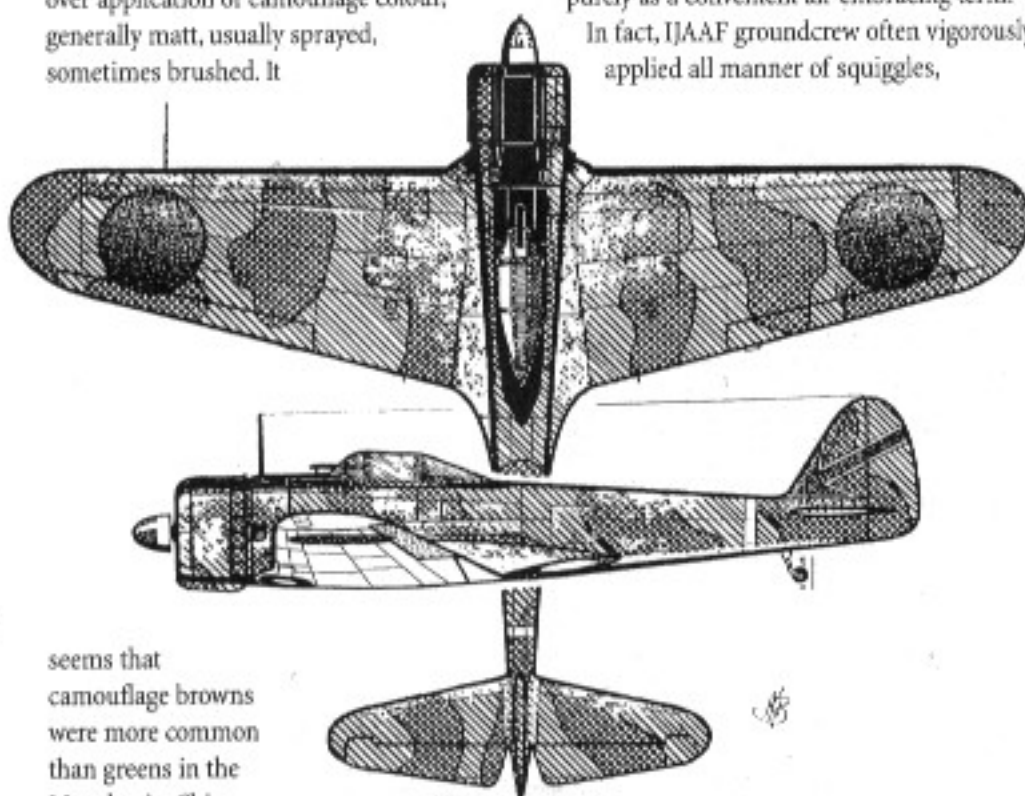
Donryu (Helen) bombers were being received in a factory finish of bare metal with black anti-glare decking on noses and on the upper inner surfaces of the engine cowlings and nacelles of the Ki-49s. The next year Nakajima's first attempt at a 'hot rod' fighter, the Ki-44 Shoki (Tojo) interceptor, came on stream with the same kind of finish, apart from some pre-production examples which, rather

paint surfaces.

Hasty Camouflaging – at some point, either prior to embarking overseas or upon arrival in their theatres of operations, a great many of those light grey-green and shiny bare metal aircraft received a hasty once-over application of camouflage colour, generally matt, usually sprayed, sometimes brushed. It

differ) Ki-43s of the 64th Flying Regiment in Thailand, early 1942, and the brown Ki-44s of the 47th Independent Flying Company in China, 1943. But often the camouflage was provided in the form of a mottle.

The expression 'mottle' is used here purely as a convenient all-embracing term. In fact, IJAAF groundcrew often vigorously applied all manner of squiggles,



Ki-43 Hayabusa with the 64th Flying Regiment early 1942. IJAAF fighter units were still largely equipped with the little fixed undercarriage Ki-27 at the commencement of hostilities with the US, UK and NEI. The 64th was one of only two regiments to be fully converted to the Ki-43, moving with the army in the southward thrust from Thailand into Malaya. The red and white spinner and regimental tail marking in red tells us this example was flying with the 2nd Company. Most sources agree that the camouflage was green and brown, although two greens have also been suggested

seems that camouflage browns were more common than greens in the Manchuria, China, Burma theatres, whilst in the SW Pacific area, green was more usual.

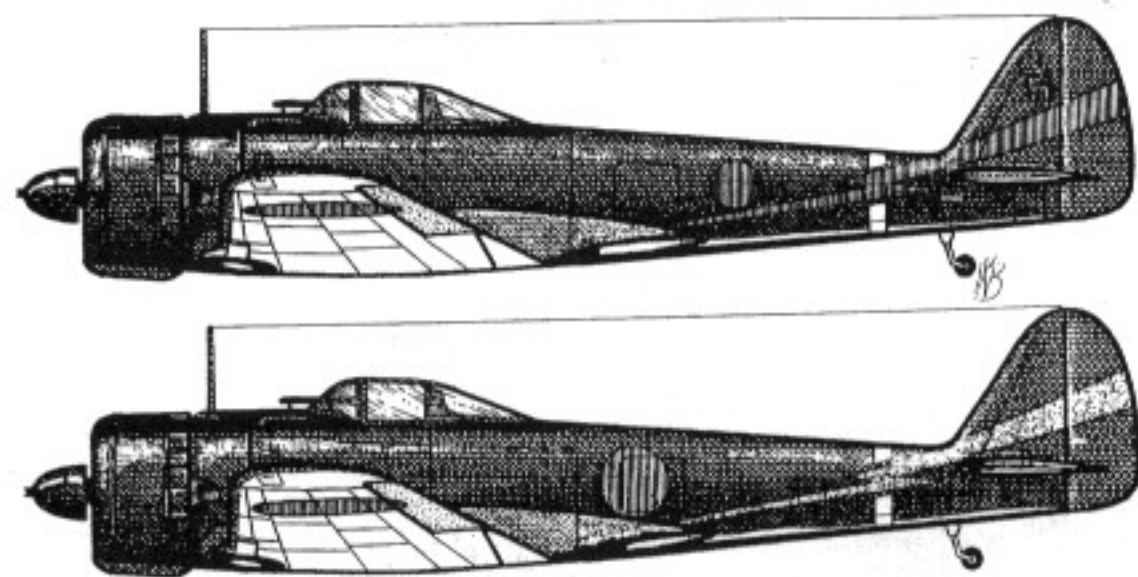
Aircraft camouflaged in this way can often be identified in photos by the presence of the factory-applied black anti-glare decking which was frequently not over-painted. Glazing framing was generally left untouched, also.

This camouflaging could take the form of a solid coat of colour applied to upper and side surfaces. Typical examples are the two-colour (either brown and green or two greens, sources

scribbles, zigzags and stripes. These 'mottles' were generally applied with a spraygun, the camouflage colour going on thicker or thinner, depending upon the spray-painter's actions. Many descriptions of varying shades and colour effects may be explained by these varying paint thicknesses and by the presence, even deliberate use, of light overspray.

Whether an aircraft was given solid colour camouflage or mottle, its undersides almost invariably remained untouched.

Un-Camouflaged – it would be a



Ki-43 Hayabusa with the 50th Flying Regiment, mid-'42 when operating over Burma. Delivered to the IJAAF in bare metal finish with national insignia, black anti-glare nose decking and fabric covered control surfaces finished in light grey-green, the camouflage – in this case a very dark green – was subsequently added to upper and side surfaces and the regiment's stylish lightning flash applied in company colours. Later, fuselage Hinomaru were added, their sizes and locations showing some variation

or semi-gloss light grey-green. This continued to be the factory finish for many aircraft types delivered to the army during 1942-43.

Filling and smoothing for the best possible airflow, Mitsubishi always supplied its highly-esteemed twin-engined Ki-46 (Dinah) reconnaissance aircraft fully painted, with its exterior smoothly finished overall with either IJAAF light grey-green or perhaps the cooler light grey Mitsubishi is believed to have phased-in during 1943 for application to the undersides of camouflaged ship-borne aircraft built for the navy.

Primary and intermediate trainer aircraft continued to be overall orange or red-orange.

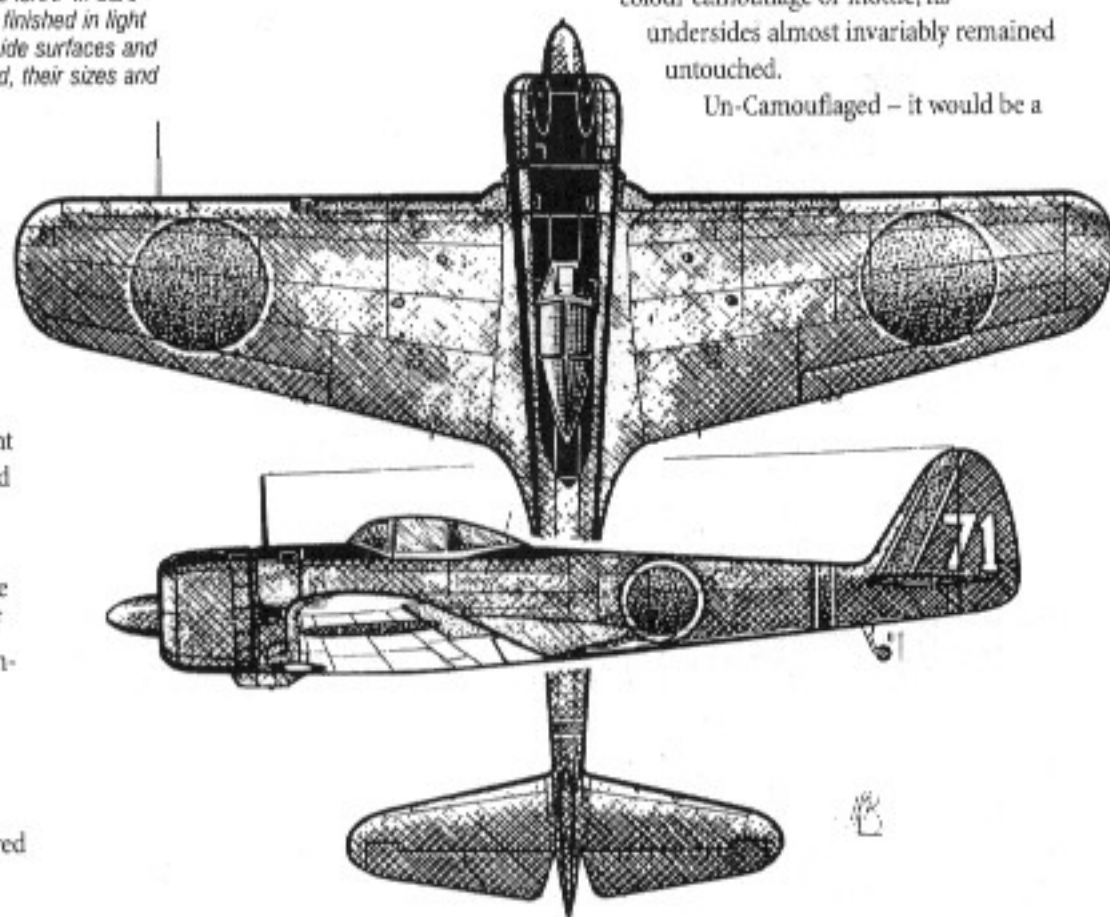
Bare Metal Finish – by late 1941 there was the beginnings of what would be a significant IJAAF swing to an unpainted, or 'bare metal' factory finish for its new fighter and bomber types. In 1942 Nakajima's new Ki-43 Hayabusa (Oscar) fighters and Ki-49

curiously, had been given the earlier overall light grey-green.

Kawasaki followed suit in 1942-43 with its Ki-61 Hien (Tony) in-line engined fighter, while continuing to supply its earlier twin-engined Ki-45 Toryu (Nick) heavy fighter/ground attack aircraft, and Ki-48 (Lily) twin-engined light bomber finished in the previously specified light grey-green.

It seems the fabric-covered control surfaces of the Ki-43, Ki-44 and Ki-61 were quite commonly finished with a topcoat of light grey-green, rather than an aluminium-pigmented finish.

Anti-glare painted areas are usually described as matt black, but it would be a mistake for modellers to use a jet black. A much more realistic effect might be achieved with a dark charcoal grey or blue-black. Dark green and dark blue have also been mentioned in this connection, but some reports of blues and greens may simply stem from observations of faded and oxidising



Ki-43 II Hayabusa (code named Oscar) with the 2nd Co. of the 25th Flying Regiment, Nanking, China during 1943. Deep green camouflage. Weathering, abrasion, repairs and general handling wear and tear soon took their toll of the single quick coat of camouflage paint applied by units to their fighters and bombers delivered ex-factory in bare metal finish. Factory applied hinomaru and anti-glare decking lasted longer

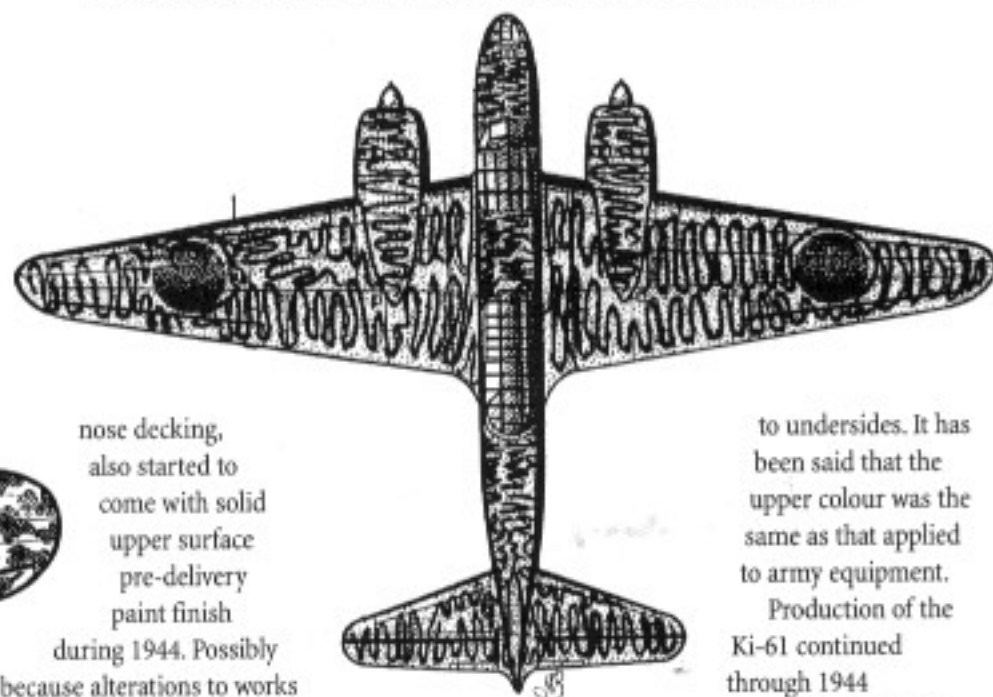
mistake to think that all the fighters and bombers delivered in bare metal finish were promptly camouflaged upon being taken on charge. This was not the case. Un-camouflaged aircraft going to new units, and with operational training units, tended to be left as they were, at least until they moved into a combat zone. Later in the war, numbers of fighters with home defence units also remained un-camouflaged, their shiny bare metal surfaces, often with colourful embellishments, a gesture of

1944-45 Camouflage

Factory-Applied Camouflage. Later combat aircraft types, such as Mitsubishi's Ki-67 Hiryu (Peggy) bomber, Kawasaki's Ki-100 Goshiki fighter (no Allied code name), Ki-102 (Randy) high altitude fighter, and Nakajima's Ki-84 Hayate (Frank) fighter, emerged from factories pre-painted in 1944-45.

There must have been a requirement to this effect issued to aircraft builders, but

Hasty addition of camouflage could take many forms: sprayed swirls, squiggles, zigzags and cross hatching in dark green and olive green were common. When applied to aircraft delivered in overall light grey-green finish, such as this Ki-21 (Sally), the inevitable overspray could create the impression of a light green and dark green two-colour camouflage. Although often reported in the past, it now seems likely that two-colour unit-applied camouflage was rare in the Pacific war theatre



nose decking, also started to come with solid upper surface pre-delivery paint finish

during 1944. Possibly because alterations to works painting specifications were slow in coming, there occurred continued application, at least for a period, of black anti-glare nose decking to those fighter types which had previously been delivered in bare metal finish but were now being given dark camouflage paint.

Factory-applied camouflage paint on IJAAF aircraft usually consisted of one coat of matt colour sprayed over all upper and side surfaces. There was apparently no requirement for priming of metal surfaces so paint very soon began rubbing, chipping and flaking from these surfaces subject to

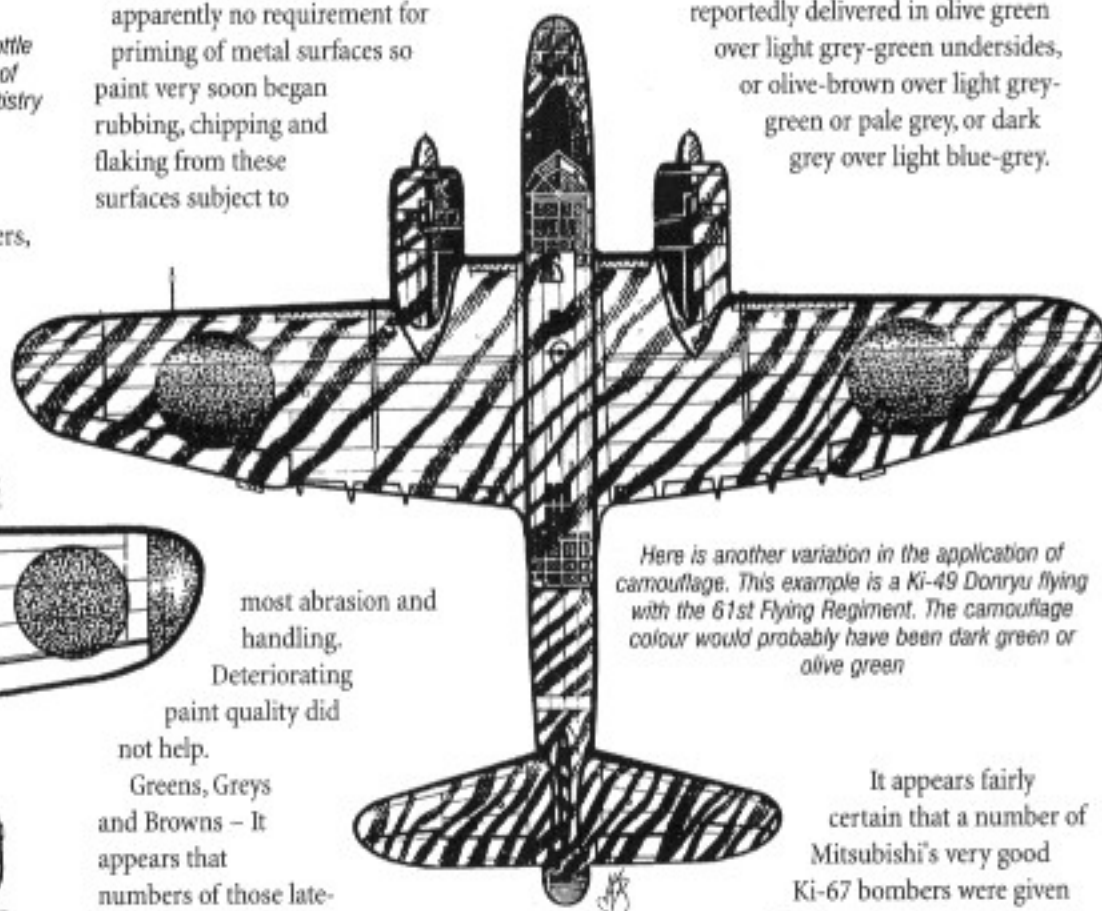
to undersides. It has been said that the upper colour was the same as that applied to army equipment.

Production of the Ki-61 continued through 1944 apparently with dark

green uppers and un-painted undersides.

Nakajima's excellent Ki-84 Hayate (Frank) was initially received unpainted with black anti-glare, but then later deliveries came camouflaged. Some of the earlier bare metal examples were subsequently sprayed on upper and side surfaces with a camouflage of dark grey, brown or green blotches and mottles.

Factory-painted aircraft were reportedly delivered in olive green over light grey-green undersides, or olive-brown over light grey-green or pale grey, or dark grey over light blue-grey.



Here is another variation in the application of camouflage. This example is a Ki-49 Donryu flying with the 61st Flying Regiment. The camouflage colour would probably have been dark green or olive green

most abrasion and handling. Deteriorating paint quality did not help.

Greens, Greys and Browns – It appears that numbers of those late-war IJAAF aircraft we once supposed to have been a predictable dark green or olive green, may have been finished in varying shades of olive-grey brown, earth brown, dark khaki, dark grey and even an interesting dark violet-grey, according to published Japanese sources. Increasing difficulty with the supply of suitable paint pigments is the likely explanation. The undersides of these aircraft were either left unpainted, or could be light grey-green, a light brownish grey or a light blue-grey.

The last model of the well-established Hayabusa (Oscar), the Ki-43 III, appeared wearing a dark khaki or dark olive-grey brown with a very warm shade of light grey (reportedly made from mixing a little of the camouflage colour into white paint) applied

It appears fairly certain that a number of Mitsubishi's very good Ki-67 bombers were given dark grey topsides, with light grey or natural metal

undersides. Variations are reported: medium greys and dark greys both being mentioned. Khaki-brown and olive green upper surfaces have also been described.

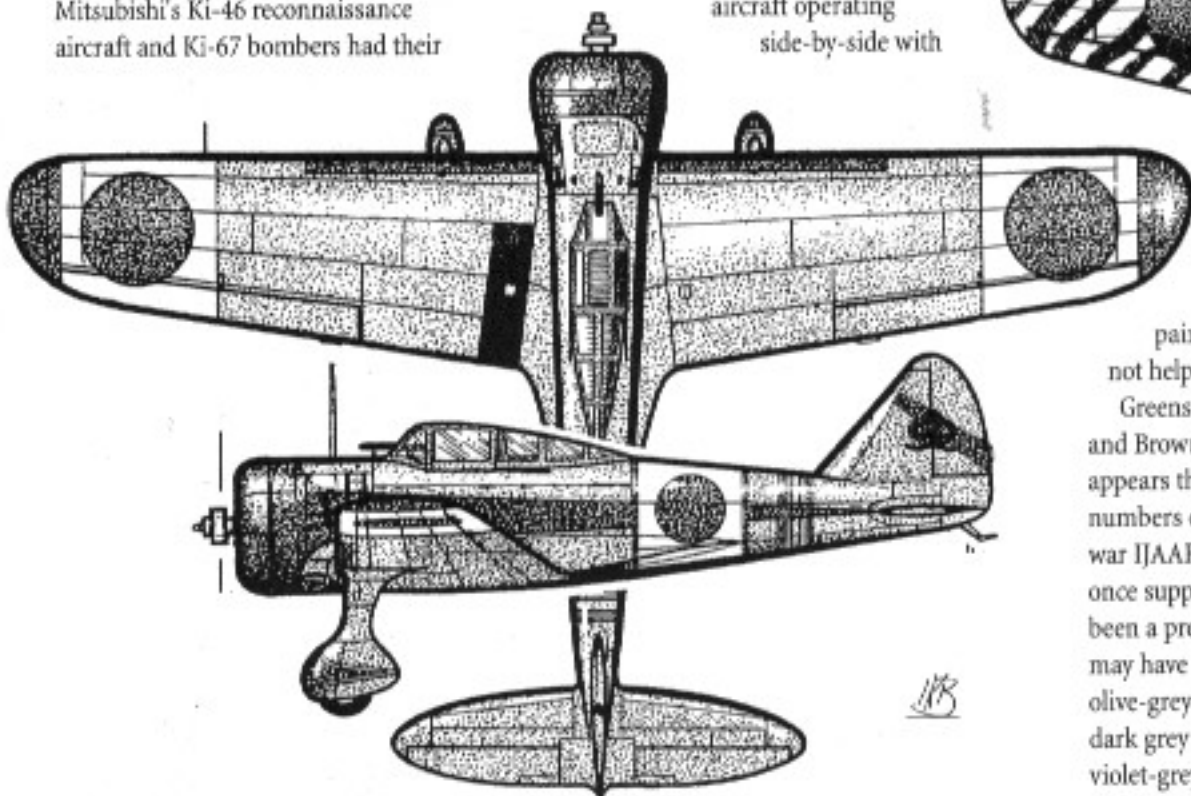
Dark Blue – no summary of IJAAF colour schemes would be complete without some reference to the dark blue topsides much beloved of colour illustrators. That ubiquitous Ki-43 of the 3rd Company of the 20th Flying Regiment late in the war has regularly been depicted over the years. Similarly, the blue Ki-51, number 07, of the 49th Independent Flying Company, some time in 1944-45, which appears in colour illustrations from time to time.

Both examples, as it happens, were based on Formosa... a location critically placed in

bold defiance of the overwhelming enemy.

Black Cowlings? – although black-painted radial cowlings never figured as a standard IJAAF finish, it should be noted that Mitsubishi's Ki-46 reconnaissance aircraft and Ki-67 bombers had their

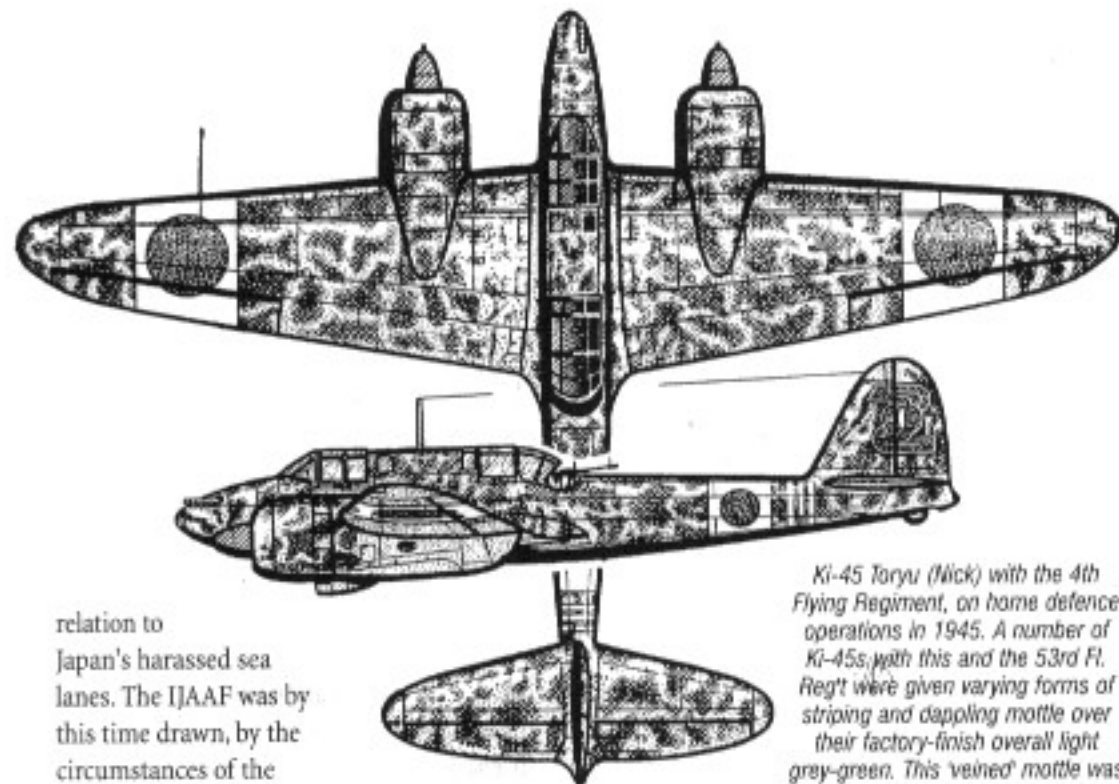
seemingly not to operational commanders, for there remain quite a few photos showing older un-camouflaged or hastily field-camouflaged aircraft operating side-by-side with



Ki-27 (Nate) with the 2nd Company of the 246th Flying Regiment, home defence duties, 1942. Very possibly the earliest application of white home defence 'bandages' and wing leading edge ID strips was to be seen on the Ki-27s of the 246th and 244th, assigned to interception duties following the Doolittle raid. At that time, wing ID strips were red, only later did they become yellow. The red fuselage flash was a distinctive regimental marking at that time

factory-finished dark topside colour wrap fully around their engine cowlings. In some black and white photos this can create a mistaken impression of black-painted cowlings... a trap for the unwary browser!

newly-delivered factory-camouflaged types, resulting in great diversity of colour schemes. Established types continuing in production, such as Nakajima's Ki-43 and Kawasaki's Ki-61, which had hitherto been delivered in bare metal finish with anti-glare

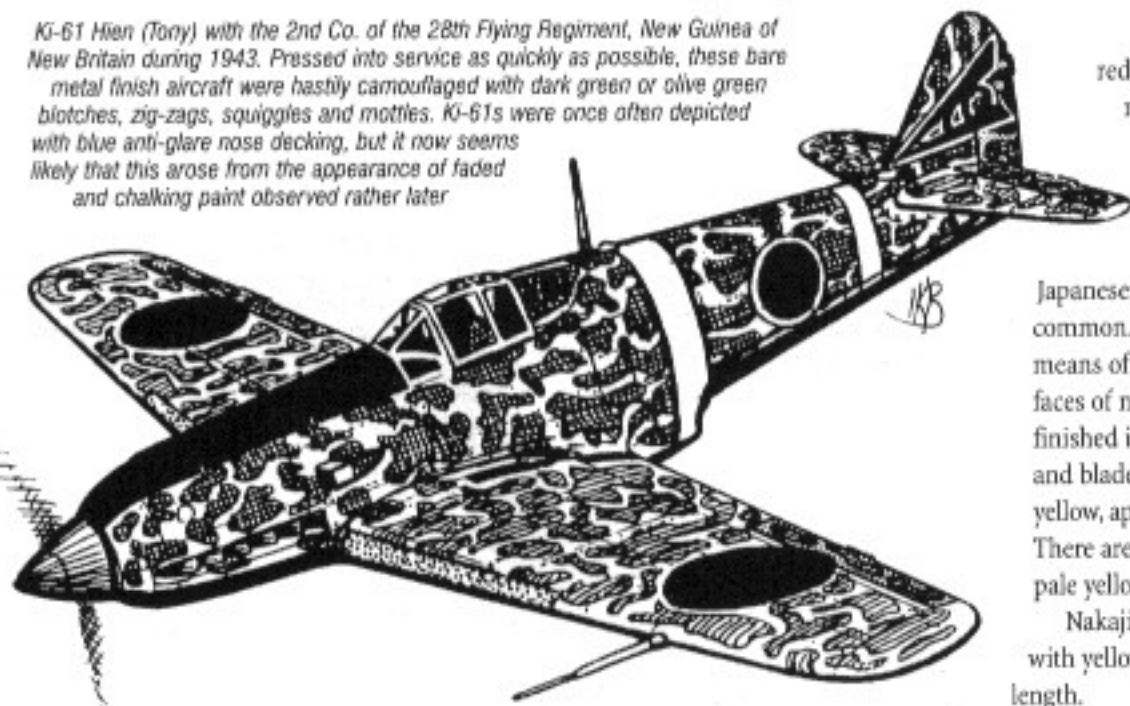


Ki-45 Toryu (Nick) with the 4th Flying Regiment, on home defence operations in 1945. A number of Ki-45s, with this and the 53rd Fl. Reg't were given varying forms of striping and dappling mottle over their factory-finish overall light grey-green. This 'veined' mottle was clearly the work of an unusually talented army painter, and is by no means typical of them all

relation to Japan's harassed sea lanes. The IJAAF was by this time drawn, by the circumstances of the Pacific War, to the side of the IJN in a collective need to protect the dwindling Japanese merchant navy. It is believed this dark blue camouflage was a locally devised IJAAF over-water patrol scheme. Fact or fiction? It must be added that not everyone subscribes to the blue scheme.

Black/Grey - Ki-44, number 25 of the 87th Flying Regiment in defence of the homeland, 1945, wore a solid dark topside finish which has been variously described as "black-grey" and "black". It is said there were Ki-84s with the 182nd Flying Regiment in very dark grey camouflage, with light blue-grey undersides.

Ki-61 Hien (Tony) with the 2nd Co. of the 28th Flying Regiment, New Guinea of New Britain during 1943. Pressed into service as quickly as possible, these bare metal finish aircraft were hastily camouflaged with dark green or olive green blotches, zig-zags, squiggles and mottles. Ki-61s were once often depicted with blue anti-glare nose decking, but it now seems likely that this arose from the appearance of faded and chalking paint observed rather later



"Black-Brown"/"Dark Grey-Brown"/"Maroon-Grey" - An interesting grey colour has come to light in published Japanese information. Referred-to as "black-brown" colour ... a standard camouflage colour in the latter part of the war, the colour chip produced for the excellent Model Art publication series in fact shows a colour which could only be described as a dark, 'dusty' violet-grey. Other Japanese descriptions of this colour were "dark grey-brown" and "maroon-grey".

This colour is believed to have been applied to several Mitsubishi types in 1945: some late production night-fighting Ki-46s (Dinah), the new Ki-83 (no code name) high altitude fighter, of which only four had been completed before the end of the war, and at least one example of the Kamikaze conversion of the Ki-67 (Peggy) bomber, the

Ki-109. It has also been reported on some of Kawasaki's Ki-100 Goshiki fighters, the Ki-102 (Randy) experimental fighter/assault, and at least one of their later Ki-61-II Hien (Tony) fighters. The usual underside colour is given as pale grey.

Overall Dark Colours - except for the light grey-green overall finish and of course the overall orange of primary trainers, a solid overall

colour was fairly unusual amongst army aircraft. The only IJAAF type to be fairly consistently given a dark overall finish were some late model Ki-45 Toryu (Nick). While overall light grey-green mottled with dark green or olive green was the most usual finish worn by this twin-engined fighter "overall black-green brown" has been reported, and photos of some others said to be in overall dark green or olive green may be found.

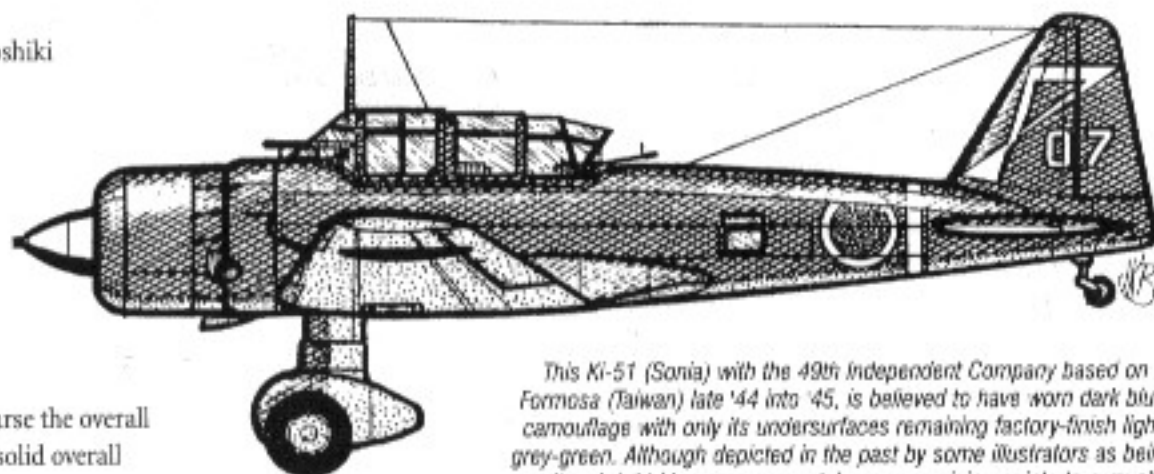
Overall mid-greys or blue-greys supposed to have been worn by reconnaissance Ki-46s were more

likely to have been locally applied to individual examples. There would seem to be no evidence of there having been a distinct reconnaissance colour scheme.

Ki-46s were occasionally seen in overall dark green, or overall dark brown. These were sometimes reconnaissance versions and sometimes fighter versions. On the other hand, both versions were just as often to be found wearing dark brown or black-brown ("red-maroon" has also been mentioned) sides and upper surfaces, with undersides light grey-green or pale grey in conventional fashion.

Propellers and Spinners

Front faces of metal prop blades on IJAAF aircraft were at first polished bare metal, each with a 50mm red or



This Ki-51 (Sonia) with the 49th Independent Company based on Formosa (Taiwan) late '44 into '45, is believed to have worn dark blue camouflage with only its undersides remaining factory-finish light grey-green. Although depicted in the past by some illustrators as being quite a bright blue, more recent Japanese opinion points to a much darker, duller shade more like the USN Sea Blue

red-brown band near the tips. Earlier, rear faces had been given an anti-glare black finish, later a brown or red-brown (sometimes referred-to as "tea colour" by Japanese sources) was increasingly common. During 1942, presumably as a means of reducing tell-tale glint, the front faces of new prop blades also began to be finished in the same brown/red-brown and blade-tip warning bands then became yellow, applied to both fronts and backs. There are indications this was a rather pale yellow.

Nakajima's Ki-84 had dark green props with yellow tips and yellow bands mid-length.

Spinners typically matched the external finish of the aircraft when that aircraft was wearing standard army light grey-green or China theatre disruptive schemes. Later,

spinners became the "tea colour" of the propeller blades. However, the painting of spinners in flying company colours occurred fairly regularly during the Pacific War years.

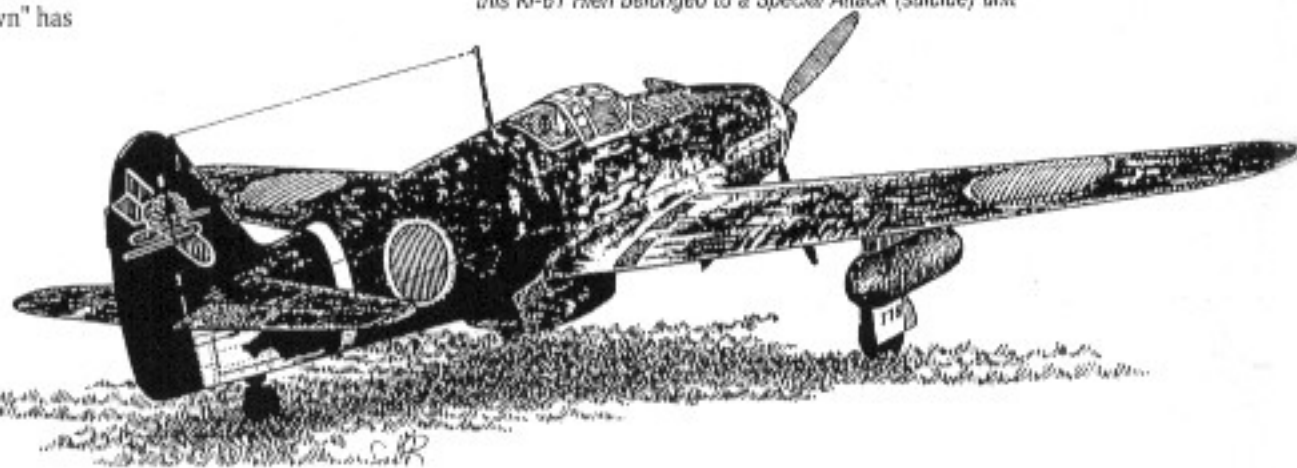
Cabins and Cockpits

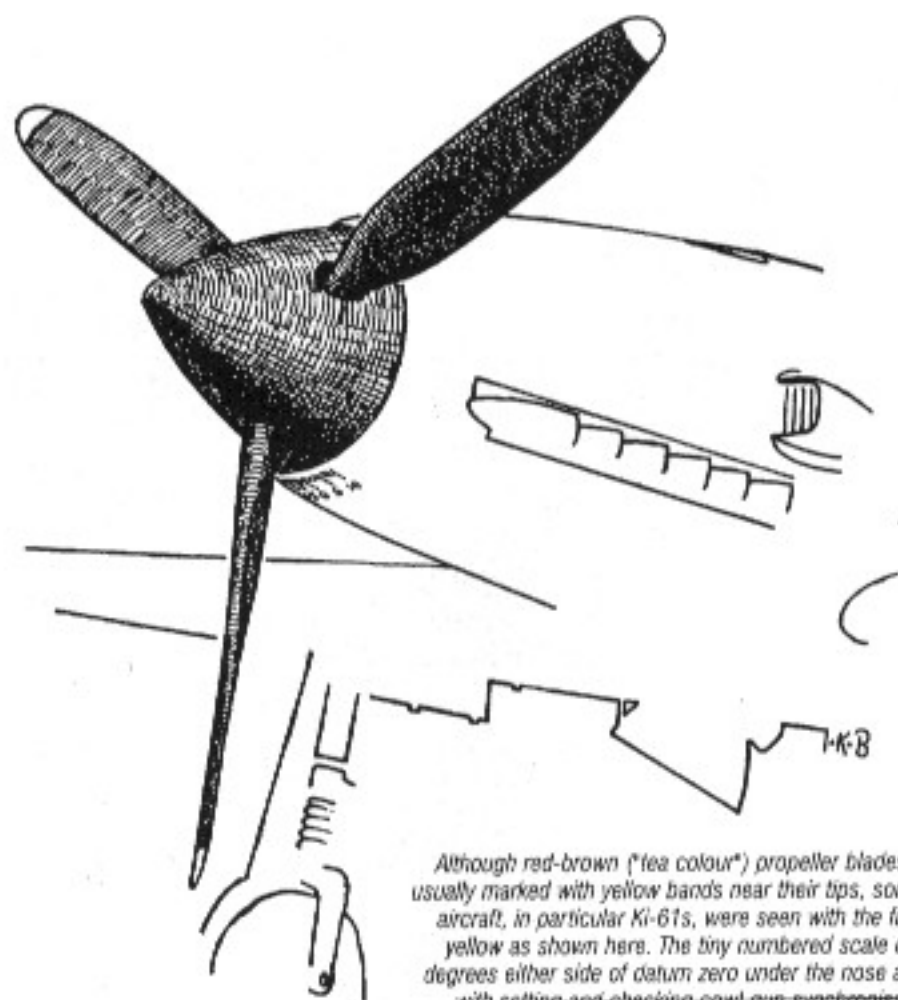
Translucent Blue-Green Lacquer - the navy was most particular about the application of protective dopes, primers and topcoat paints to its aircraft, but there is far less evidence of army concern for such niceties in the building of its aircraft. Sources indicate some application to internal and structural metal surfaces of the translucent blue-green phenolic lacquer used on navy aircraft. We are told that in army aircraft sometimes the lacquer was not coloured, but in other instances no such protective finish was employed at all. This means that frequently an unpainted bare metal appearance would present itself in, around and under army aircraft, except where there was some other

finishing colour, such as the khaki found on the Ki-61.

Finishing Colour and Instrument Panels - instrument panels were often whatever colour was applied generally to cockpit or cabin interior surfaces, other times, black, red-brown or dark green. Cabin and cockpit internal surfaces could be finished in variously-reported khakiish sorts of shades, for example, "light khaki" and "greyish brown-yellow" in the Ki-61 and Ki-54 (Hickory). The Ki-46 interior was the olive green widely used in the interiors of Mitsubishi aircraft, and Kawasaki's Ki-45 heavy fighters had a similar colour. Then there was the dark blue-grey found in some older types such as the Ki-27 (Nate) and Ki-21 (Sally), for example. It is impossible to go into exhaustive detail here. The best advice for modellers is to study whatever references you might be able to get hold of,

By the later part of the war, the quality of camouflage paints and the pigments used in them had deteriorated considerably, and a number of alternative shades appeared. The thin matt paint unevenly applied here, and now wearing off, is thought to be a charcoal grey reportedly trialled on some army aircraft. The yellow half chrysanthemum and blue river symbols, which stand for extreme loyalty to the emperor, are here superimposed over a red bomb which probably means this Ki-61 Hien belonged to a Special Attack (suicide) unit





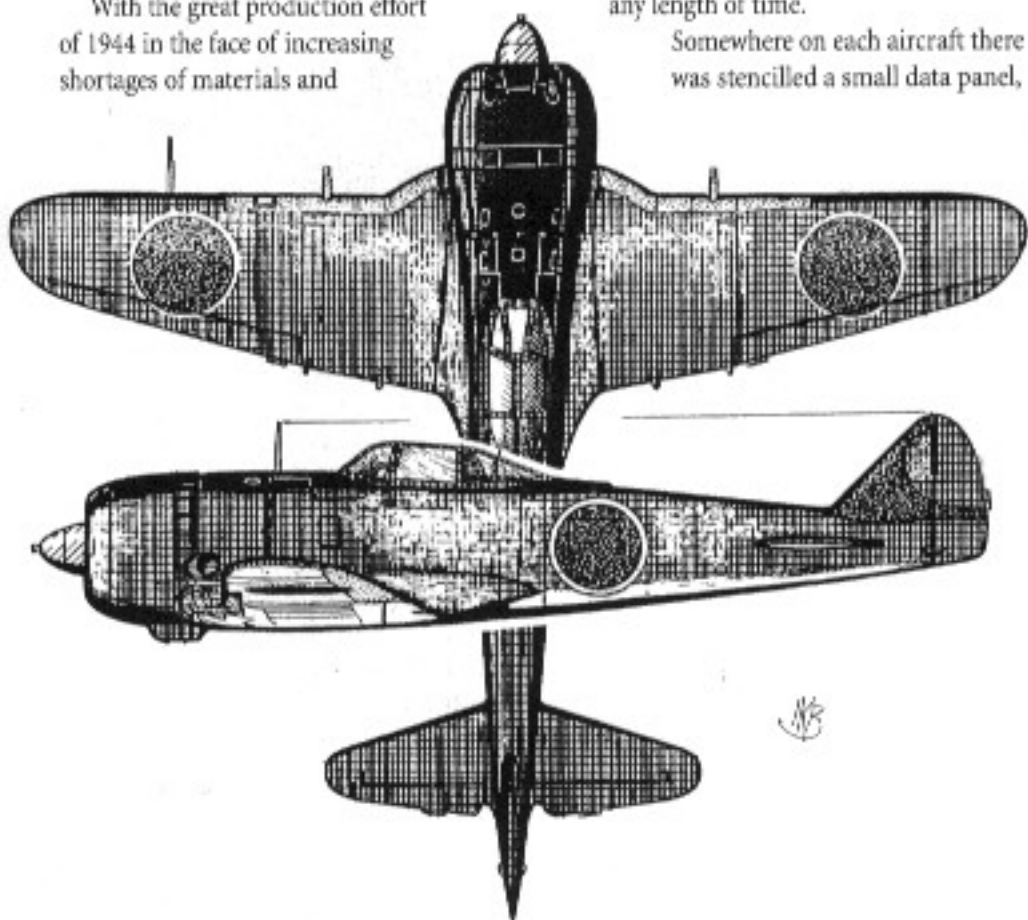
Although red-brown ("tea colour") propeller blades were usually marked with yellow bands near their tips, some IJAAF aircraft, in particular Ki-61s, were seen with the full tips yellow as shown here. The tiny numbered scale of ten degrees either side of datum zero under the nose assisted with setting and checking cowl gun synchronisation

regarding the particular aircraft type you are concerned with, and don't get drawn into nitty-gritty argument on the subject. Bear in mind the fact that there could be, and were, variables, not only between makers but even between production runs of any aircraft type.

With the great production effort of 1944 in the face of increasing shortages of materials and

markings characteristic of aircraft in those days. In conditions of depot and field camouflaging and maintenance, together with the effects of daily wear and tear, it is unlikely that many such factory-applied markings remained in readable condition for any length of time.

Somewhere on each aircraft there was stencilled a small data panel,



Ki-44 Shoki (Tojo) with the 2nd Co. of the 87th Flying Regiment at Palembang, 1945, reportedly wearing the "experimental" charcoal grey camouflage finish. Undersides remained bare metal except for the light grey-green control surfaces. It is unclear whether or not the factory-finish black anti-glare nose decking was over-painted with charcoal grey

labour, the expenditure of time and paint on finishing internal surfaces was something which could no longer be sustained. In 1945, with the aircraft industry's human and material resources approaching exhaustion amidst approaching chaos, unpainted metal surfaces were to be found in cockpits and cabins and elsewhere.

Walkways, Warnings, Instructions and Other Functional Markings

IJAAF aircraft carried the usual few simple kinds of stencilled warnings and advisory

with characters and numbers around 20mm high, identifying the airframe as one built for the Japanese Army and providing a serial number. In earlier times this number would also have been applied to all removable panels and components, such as their hand-built, or hand-

fitted, nature. By 1944 this practice had largely disappeared, the serial number simply being stencilled, very small, either side of the fuselage tail.

Other usual stencilled information markings included the predictable "Step", "No Step" and so on. On later types, fragile no-go areas of wing topsides would sometimes be outlined or edged in red or yellow. Fuel filler caps were also painted red, sometimes yellow. "Lift Here" and/or "Trestle Here", often with a vertical red or white strip or arrow, might be seen either side of fighters' fuselage tails.

National Insignia on IJAAF Aircraft

IJAAF aircraft from 1938 to 1942 were generally not marked with the fuselage hinomaru. Most new aircraft entering service in the first year of the Pacific War were again given fuselage hinomaru, however some army aircraft were still to be seen marked only with wing hinomaru as late as 1944.

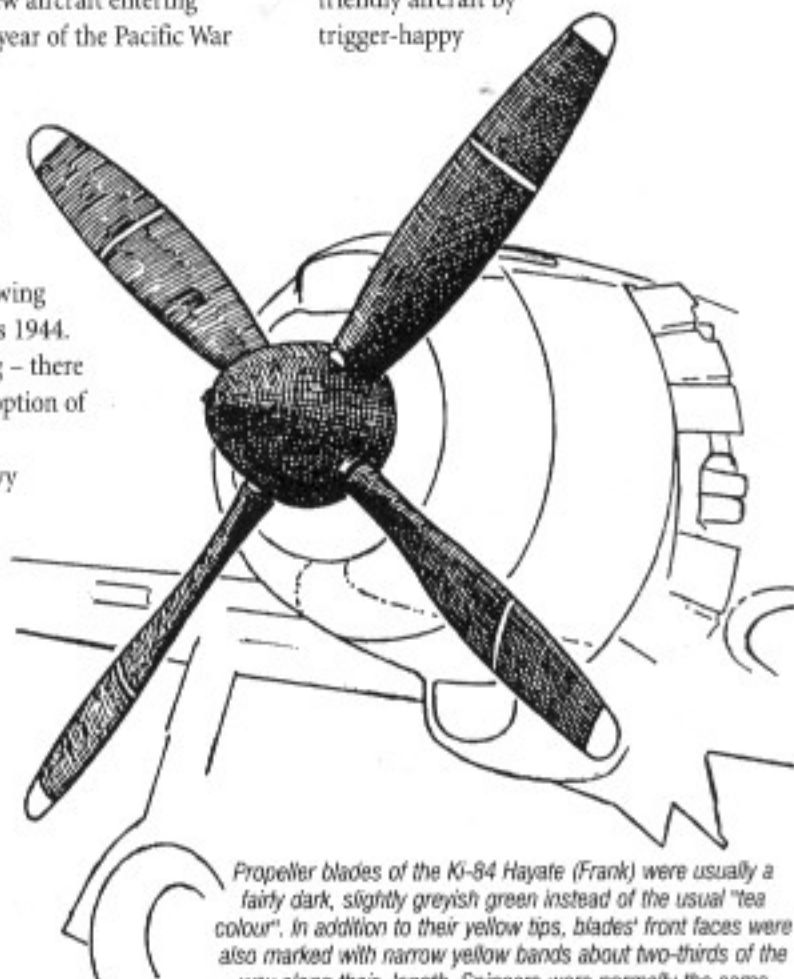
White Outlining – there was no general adoption of the white outline required by the navy in 1943, contrary to what has sometimes been claimed. The reason for this was the continued factory finishing of army aircraft in light grey-green, or bare metal, which did not require white outlines to highlight the national insignia.

When mottle/scribble-type camouflage was later applied, hinomaru were often not masked but simply avoided, creating the commonly seen 'halo' effect. Where white outlines were subsequently added, they were typically added to fuselage hinomaru only.

After factory application of camouflage was introduced there remained an apparent lack of clear direction regarding outlining of the hinomaru, as suggested by the following three examples. Ki-67 bombers appear to have consistently left their factory with un-outlined hinomaru, whilst Ki-84 fighters had

white outlines to both fuselage and wing topside hinomaru. Ki-44 fighter factory finish appears to have been much more inconsistent in this regard with white outlining usually only to fuselage hinomaru when dark-painted uppers were at last applied.

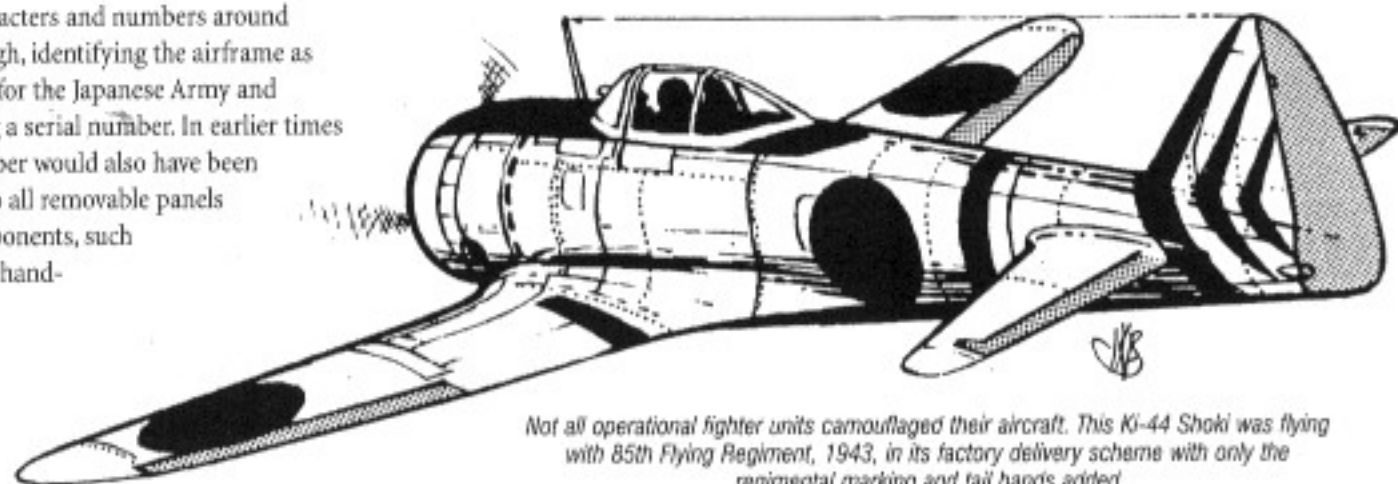
White Bandages – certain army aircraft were emblazoned with national insignia of the most eye-catching style. The distinctive presentation of the hinomaru superimposed on a broad white band (or 'bandage', as it normally wrapped right around wings and fuselages) was first worn by home-based Ki-27s of 244 and 246 Flying Regiments assigned home defence duties immediately following the Doolittle raid. The purpose of this form of hinomaru presentation was clearly to enhance rapid recognition of a friendly aircraft by trigger-happy



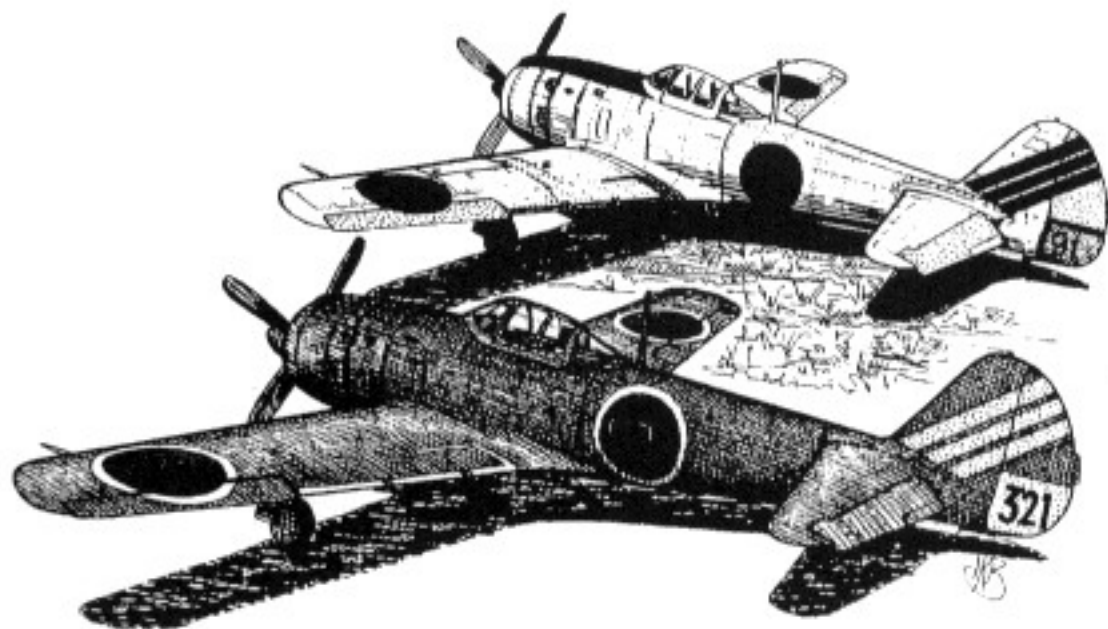
Propeller blades of the Ki-84 Hayate (Frank) were usually a fairly dark, slightly greyish green instead of the usual "tea colour". In addition to their yellow tips, blades' front faces were also marked with narrow yellow bands about two-thirds of the way along their length. Spinners were normally the same green colour as props, unless painted in company colours

colleagues.

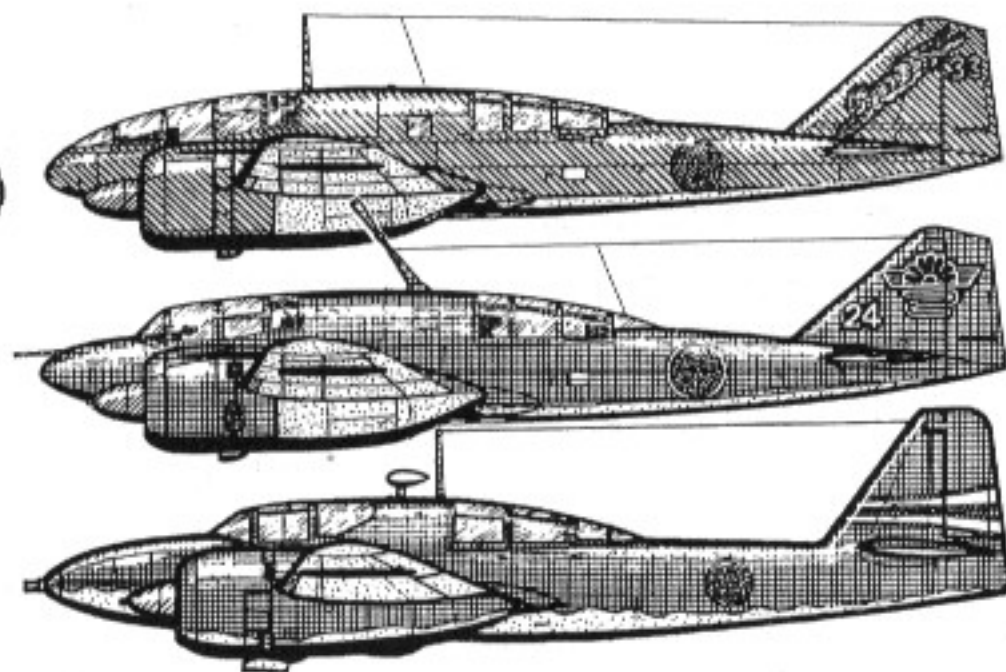
This 'home defence marking' remained in use by units formally designated for that role, and subsequently took on an esprit-de-corps significance in later, more desperate days. The exploits of several Flying Regiments, especially the 53rd and the 244th, were apparently the subject of photo features and newsreels for home consumption during the increasingly bad times. Fighter aircraft of these units were especially distinctive; emblazoned with stripes and flashes, together with their home



Not all operational fighter units camouflaged their aircraft. This Ki-44 Shoki was flying with 85th Flying Regiment, 1943, in its factory delivery scheme with only the regimental marking and tail bands added



During 1944 the IJAAF required its aircraft to be delivered already camouflaged. The sight of painted and bare metal aircraft with or without field-applied camouflage, operating side-by-side, became quite common. The great aircraft building effort of 1944 stretched Japan's failing resources to the limit and external camouflage typically consisted of one thin coat of matt paint in a variety of drab shades of brown-green, red-brown, dark brown, black-brown, khaki-green and khaki-brown. Undersides were sometimes painted in a light shade



Late war trio. Top: Ki-46 (DONAH) with the 82nd Flying Regiment, finished brown with light grey-green undersides. Centre: Ki-46 (DONAH) with the 16th Independent Company, finished dark brown with undersides a warm grey made by tinting pale grey with a little red-brown. Notice the dark camouflage colour wraps right around the engine cowings of both Ki-46s in characteristic Mitsubishi fashion. Bottom: Ki-102 (Randy) with the 28th Flying Regiment, finished black-brown with undersides pale grey, possibly red-brown tinted

defence white bandages, colourful tail markings, and flaunting numerous prominently displayed kill markings. Several of these aircraft have since repeatedly been the subjects of innumerable illustrators and decals sets.

Very late in the war, white home defence bandages were no longer being applied to newly-received IJAAF aircraft. One can only surmise that the high attrition rate amongst inadequately trained Japanese fighter pilots was causing some re-thinking about those highly visible markings.

Frontal Identification of Friendly Aircraft

When the special 'home defence' markings were devised, they consisted not only of hinomaru superimposed upon white 'bandages', but also of red wing leading edge strips. As an air-to-air frontal recognition marking, the wing leading edges of those Ki-27s were painted red for the inner half of their length. It has been suggested in the past that the front faces of the prop blades of these fighters might also have been painted red. (-And certainly some black and white photos show examples with dark-toned blades seen at a time when one might

have expected bright front blade faces).

Those red wing leading edge ID strips were clearly found to be a useful kind of recognition marking, for a similar marking, now generally in yellow or orange, was subsequently adopted by the army for all its aircraft, and then soon after - some time in 1943 - by the navy as well. Field applications led to varying proportions and shades, ranging from pale yellow to yellow ochre. Factory applications were typically rich yellow, tending toward orange.

White Fuselage Tail Bands

As mentioned in Part 2 of this series, during the later thirties IJAAF aircraft tasked with operational roles 'overseas' came to be

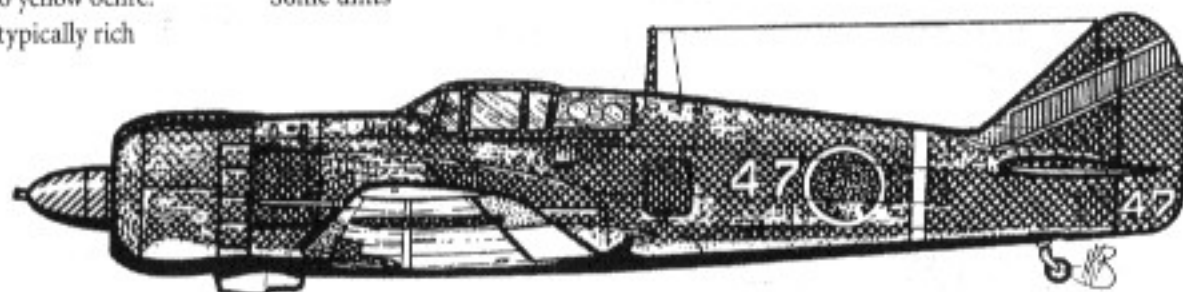
marked with a white fuselage tail band.

Navy aircraft operating over China in the late thirties also wore a similar white tailband: it was a theatre marking intended to

assist in the rapid recognition of friendly aircraft. The IJAAF would appear to have dropped it by the end of 1941, although it may have lingered on some older types operating in China, but it continued to be worn by IJAAF combat aircraft for the strike south, and through 1942.

Some units

with red. This writer has found it impossible to assemble sufficient photographic evidence to be able to conclude whether or not the application of that marking was regular practice.



Ki-100 (no Allied code name) with the 1st Co. of the 59th Flying Regiment in 1945. Factory-camouflaged Kawasaki aircraft typically did not have their undersides painted. The thin coat of poor-quality drab brown-green paint was quickly fading and rubbing off. Even the red paint of the hinomaru lacked colour intensity and tended to become pinkish and to wear off just as badly. Other examples of the Ki-100 are said to have been finished in equally poor quality chocolatey dark brown or the so-called black-brown which looked more like a dark violet-grey

continued with the white tailband to the very end of the war but from 1943 onwards, and contrary to what some sources may say, the white band around the rear fuselage of IJAAF combat aircraft was no longer a consistently applied recognition marking. In some cases the white tail band became a coloured one, either indicating the flying company and therefore becoming a formatting marking, or indicating a leader's aircraft and therefore becoming a command stripe. In other cases the original white tail band was joined by additional coloured ones, making a rather more distinctive marking, for similar command/formatting purposes.

Other fuselage tail bands came to be used to identify the particular role or status of certain IJAAF aircraft. For instance, one or more red tail bands, perhaps thinly bordered with white, sometimes appeared on new aircraft being tested and assessed.

We also know from old photos that some civil transport and training types were given a broader white tail band bordered

Distinctive Unit Markings

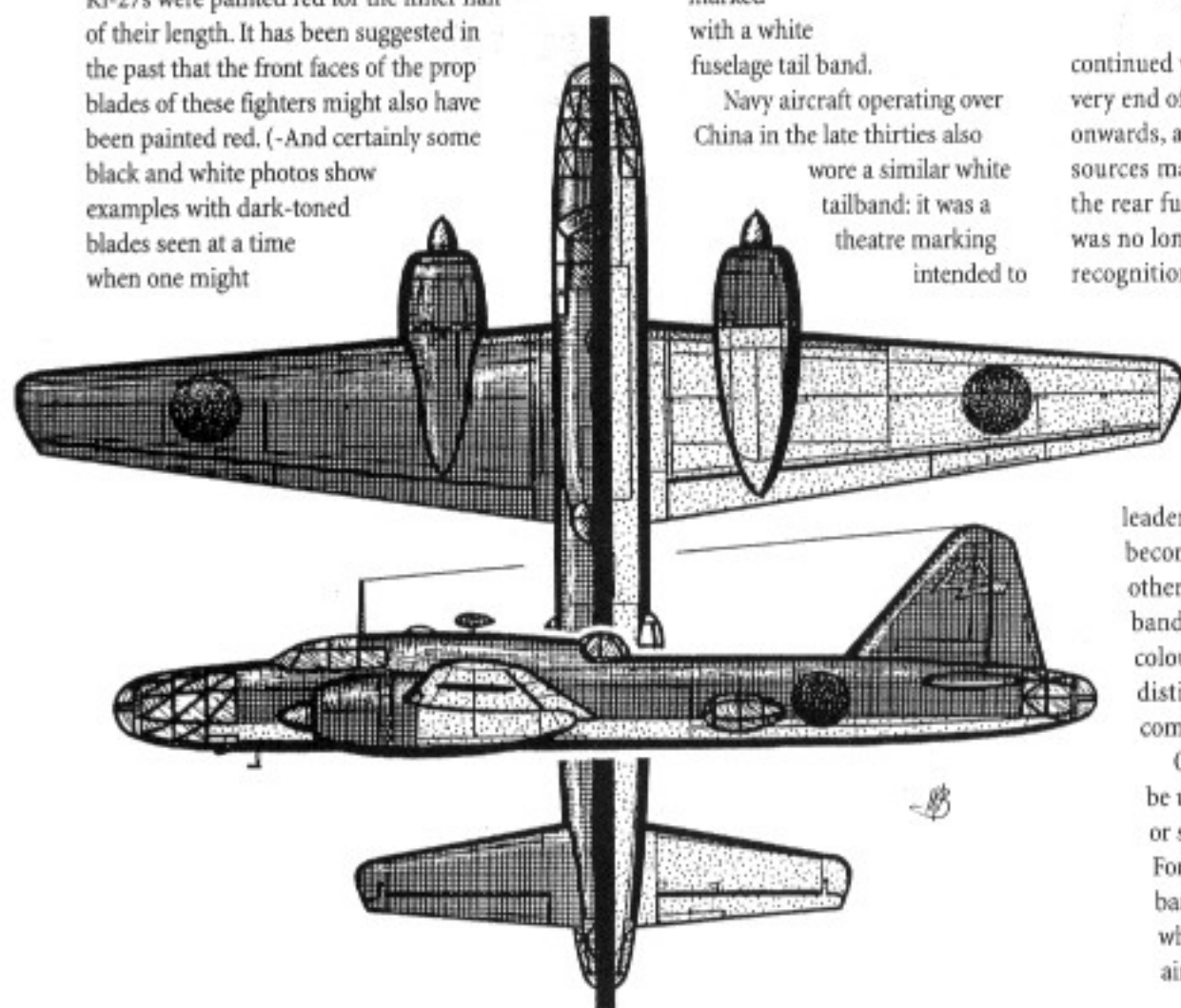
All IJAAF units had their own distinctive designs. Some designs scarcely varied for the life of that unit, but it was not uncommon for designs to change, usually at a time of relocation, or when a unit was reconstituted. By 1942 these designs were usually confined to fin-rudder sides. Frequently a certain part, or parts, of a design would employ particular colours which identified the elements of that unit, to assist with ground handling and formatting in the air. Individual aircraft numbers were also sometimes added, usually to vertical tail surfaces.

The final part in this series will provide Colour Notes for army and navy aircraft, 1942-45, which will include colour equivalents stated in FS, BS, Methuen & Pantone notations.

Dan K. Baker



"We value your comments, corrections and suggestions for possible inclusion in future editions."



Ki-67 Hiryu (Peggy) with the 3rd Co. of the 7th Flying Regiment in 1944, said to have been dark grey with pale grey or light grey-green undersides. Many Ki-67s are believed to have been factory-finished in these colours, whilst olive-brown or khaki-brown upper surfaces were also often seen. Characteristic Mitsubishi dark painted engine cowings and straight division between upper and lower colours are seen

PRECISION PARTS CORP.

Your best source for

AIRBUS

Boeing

Boeing

Boeing

Boeing

Boeing

Boeing

Boeing

Boeing

Boeing

Boeing

Boeing

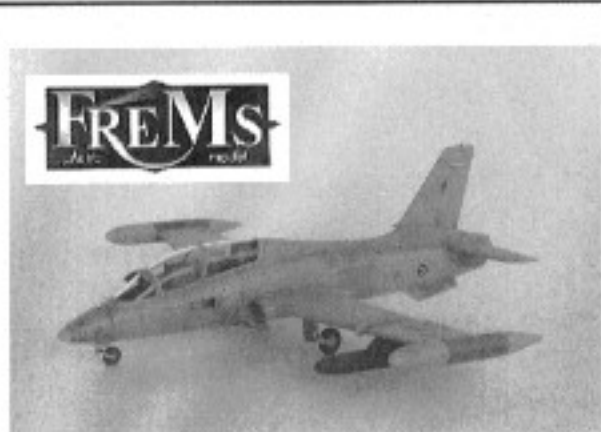
Boeing

Boeing

Boeing

Boeing

Boeing



FR0199 - FRC Aeromacchi MB339A

NOW AVAILABLE!!!

- white metal gun ports
- 1/48 injection moulded plastic kit
- seven markings: Peru
Dubai
Malaysia
Argentina
Italian x 3
- gun and rocket ports
- external tip tanks
- separate comprehensive instruction sheets for construction and markings

ICM

ICM

ICM

ICM

ICM

ICM

ICM

ICM

ICM

ICM

ICM

ICM

ICM

ICM

ICM

ICM

For a complete listing, please send \$3.00 US to:

PRECISION PARTS CORP.

Box 305, Ogdensburg, NY, 13669, USA Tel: (613)224-9071

PARABELLUM

54 Vyse Street, Hockley, Birmingham B18 6HR

0121 551 8810 Fax 01543 674713

Pro modeller

Bargain Buy!! Messerschmitt Bf 110G-4

Only £9.99

SB2C-4 Helldiver	£24.30
Junkers Ju 88 A-4 Bomber	£26.95
F-84G Thunderjet	£16.95
Messerschmitt Me410B-1	£21.15
Ju 52/3m Transport	£30.15
Focke-Wulf Ta 154A-0 Moskito	£26.95
Fw 190G-2/G-3 Fighter	£16.95

Revell-Monogram

B-25J Mitchell	£14.95
F-89C Scorpion	£14.95
F-105D Thunderchief	£9.95
F-5E Tiger II	£11.95
B24D Liberator	£16.95
P61 Black Widow	£13.50
B29 Superfortress	£36.50
B24J Liberator	£24.50
B17F Flying Fortress	£24.50
B17G Flying Fortress	£24.50
Ju 52/3m g 4e	£27.99
Tamiya 1/48th scale	
Fairey Swordfish Mk. I	£36.99

Frog 1/32nd Scale NEW!

MI 15 BIS	£24.99
-----------	--------

Tarmac 1/48th Scale Airfield Diorama accessories

48009 RAF David Brown Tractor	£16.35
48001 RAF GUY "Ant"	£17.10
50052 RAF Ford 01 A-73B Staff car	£17.10
48014 Luftwaffe Hanomag SS20 Tractor	£16.35

Dartmoor 1/47th Scale RAF Figures. NEW additions.

48016 RAF Pilot & Mechanic walking with tool box	£3.90
48017 Luftwaffe pilot & Fallschirmjager standing	£3.90
48018 SAS JEEP crew North Africa	£3.90

ALL KITS SENT POST FREE!

Send large SAE for our full lists of 1/48th Scale Airfield Vehicles & Diorama Accessories Shop open 11am to 7.30pm Mon-Fri, 11 to 5pm Saturdays.

THE SENSATIONAL ANTHOLOGY 2 - OUT NOW!

FOKKER D.VII



CONTENTS:
 • 64 PAGES + COVERS!
 • INCLUDES 8 PAGES OF ALL NEW COLOUR ART; 25 SIDE PROFILES; 8 PLAN VIEWS AND 12 SCRAP VIEWS DEPICTING D.VII's of Jastas 24, 26, 27, 28W, 29, 30, 32b, 33, 34b, 35b, 36, 37, 40, 43, 45 and 46!
 • STENCIL, CROSS STYLES AND 'LOZENGE' FABRIC DRAWINGS!
 • 5 PAGES OF ALL NEW ACCURATE 1:72 AND 1:48 DRAWINGS FOR OAW-BUILT D.VII's PLUS STRUCTURAL GAS & COWLING VARIATIONS IN 1:48
 • UDETS D.VII!
 • WING GEOMETRY!
 • 1918 CAPTURE REPORT!
 • OVER 130 PHOTOS!
 • 5 MONO PROFILES!
 PRICE: £18.50 POST FREE!

ANTHOLOGY 1 ALSO AVAILABLE AT £17.50!

OVER 100 OTHER WWI REFERENCE TITLES AVAILABLE!

Cheques, IMOs/POs to Albatros Productions Ltd., at Albatros (Dept SAMI/2000), 10 Long View, Berkhamstead, Herts HP4 1BY, UK. (Tel: 01442 875838) (Fax: 01442 876018)

Battle of Britain Memorial Flight Millennium Collection

1:72 Scale plastic kits of every aircraft type the flight fly in one boxed collection

Spitfire Mk IIa, Vb, LFIXe, Two PR Mk XIX's, Two Hurricane 2 MkII's, Lancaster, Dakota, Two Chipmunks
 Kits are produced by Airfix, Italeri and MPM.

Each box contains a print of BBMF over Lincoln Cathedral from a painting by Eric Day individually signed by Sqn. Ldr. Paul Day OBE AFC, OC BBMF and flown in the Lancaster on a sortie over East Kirkby on September 3rd 1999.

Decals, designed by Dick Ward include the new seasons markings for the Lancaster 61, Sqn. "Mick the Moocher" and Hurricane LF 363, 501 Reserve Sqn.

The box also contains a colour booklet on the Spitfire PR Mk XIX produced by MPM and the 1999 BBMF brochure.

The product retails for £69.99 plus £5.00 p&cp and is available from:
 AIM Ltd. Enterprise Way, Norwich Road, Fakenham, Norfolk NR21 8SL
 Tel: 01328 855800

PANTHER PRODUCTIONS 2000

FOR RELEASE SOON!

A 1H SKYRAIDER IN 1:32 SCALE (A RESIN/WHITE METAL KIT)
 ONLY FROM BEANEYS MODEL HOBBIES • SPECIAL COLLECTORS EDITION

*** Only 79.95 *** (APPROX. \$US130) + POST & PACKING

Features include: Engraved Panel Lines • Separate Flaps & Rudder • Optional Wingfold Flattened and Bulged Tyres • Super Detailed Cockpit • Wing Pylons with Bombs Fuselage & Wing Mounted Fuel Tanks • 2 Vacformed canopies.

Decal Options For VA165 (US NAVY)/56th S.O.W (USAF) Thailand.
 522nd SQN. VNAF. /Ec. 2/20 (ARMEE de l'AIR) ALGERIA.

COMING 3RD QUARTER - AD4W/AEW1 SKYRAIDER

COMING 4TH QUARTER - METEOR F8 (BOTH TO 1:32)

(METEOR F8 WILL BE IN TWO SEPARATE VERSIONS (RAF & INTERNATIONAL)
 RAF VERSION INCLUDES MARKINGS FOR 3 SQNS./INT. VERSION FOR 4 COUNTRIES)
 (LOOK FOR RELEASE DATES IN BEANEYS MODEL HOBBIES ADVERTISEMENTS)



Keystone Military Models

Tel: 001 215 914 0350 E-mail: kestonemm@home.com
 Web: http://members.home.com.kestonemm

AA Models	1:48	MI-19 Farmer	\$19.00
Academy	1:72	KC-97G Stratotanker	\$48.00
Academy	1:48	Seversky P35A	\$17.50
Accurate Minatures	1:48	B25C/D Mitchell	\$39.00
Classic Airframes	1:48	Blenheim Mk. IV	\$40.00
Classic Airframes	1:48	BF2C-1 Hawk	\$23.00

For the VERY LATEST releases and product updates.
 Call us or visit our web page!

P.O. Box 333 Huntingdon Valley, PA 19006, USA
 VISA, M/C, Discover, Amex



Meteor NF.14

Bill Meteor Clark

The Kit

Very much a standard multi-media offering; the fuselage and wings are crisp vac-forms with recessed panel lines. The cockpit 'bath-tub' and engine nacelles are resin, and moulded as well as any I've seen. Various odds & ends are supplied in white metal with limited-run plastic injection moulded tailplanes and under-carriage doors. A superb decal sheet, printed by Fantasy Printshop, gives markings for two aircraft; No.46 Sqn., circa 1955 and No.60 Sqn., circa 1960 - which was the last front-line unit to fly the Meat-box NF.14 in the Far East. After much deliberation (I rather fancied the latter scheme of an all-weather day-

Once more Aeroclub have come to the rescue to us RAF fifties fanatics! This long-awaited kit (well I've been awaiting anyway) continues (and improves) their 'Meat-box' collection, with the promise of more to come. I won't spend any time dealing with the Meteor's history here, as this is well documented by those that know what they are talking about.

fighter) I decided that my NF.14 would form model No.1 of my latest sub-theme (Kent's Air Force), reliving the days when

the RAF (or anyone else for that matter) had a presence here in my adopted home county. (Options for future projects under

this theme are fairly broad, so I may just concentrate on the 1900s!).

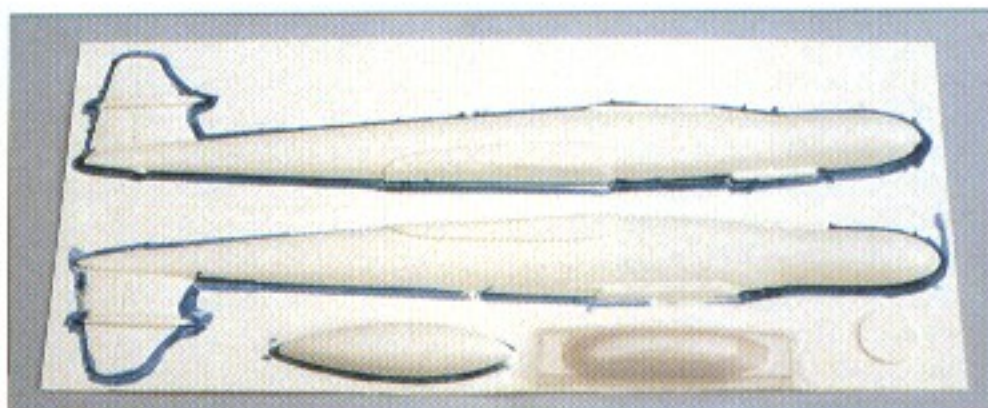
I must admit to feeling a little guilty about not using either of the kit's subjects (as they look that good), but I very rarely model a kit straight from the box in this manner, after all, most other modellers would of course use the kit's decals, so at least my NF.14 would be a little different. I elected to use decals from a recent Dutch Decal set depicting a No.85 Squadron

Technical Data

Armstrong Whitworth Meteor NF. 14
Manufacturer: Aeroclub
Scale: 1/48th
Price: £27.50
Kit No.: K440
Panel Lines: Recessed ✓
Status: New Tooling ✓
Type: Vac-formed & Limited-run Injection Moulded Plastic, Resin, White Metal & Vac-form Clear
Parts: 11 Plastic (Vac), 12 (Inj), 5 Resin, 43 Metal, 2 Clear
Decal Options: 2
Manufacturer: Aeroclub



A real NF.14, WS838 at the Coventry Air Museum



The kit's fuselage vacform sheet...

machine which was based at West Malling during the late 50s.

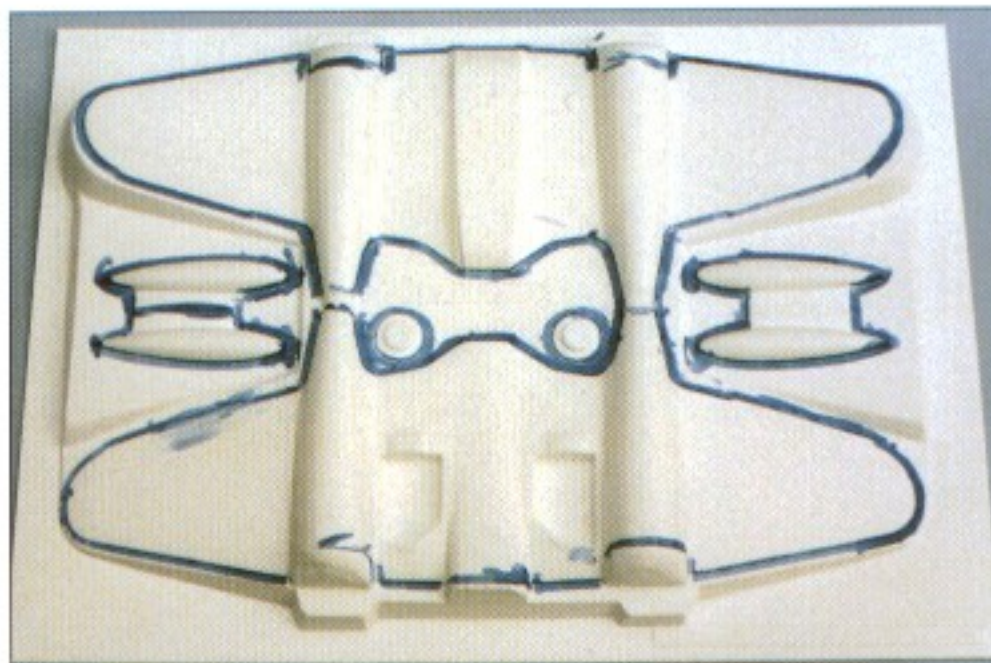
The Controversy

All published dimensions of the NE14 have stated that this version was 51ft 4in long, certainly it looks long compared to the earlier marks, but John Adams of Aeroclub came across conflicting evidence whilst researching. Full details are supplied in the instructions of this but basically John states "...no Meteor was 51ft 4in long!". The confusion seems to have stemmed from the fact that (i) the NE14 had a shorter, steeper fronted windscreen, and (ii) the NE14 featured a

shorter nacelle intake. These two factors could have confused whoever added on the additional 17in, and like many a good rumour, this error has been perpetuated. I have no intention of adding to this debate here, if John Adams says the length is 49ft 11in, and the model measures this (and no I didn't check it out!) then that's hunky-dory with me matey! (Please note that Aeroclub's comments are based on physically measuring a preserved airframe, so this is no 'guess', this is fact - Ed)

Construction

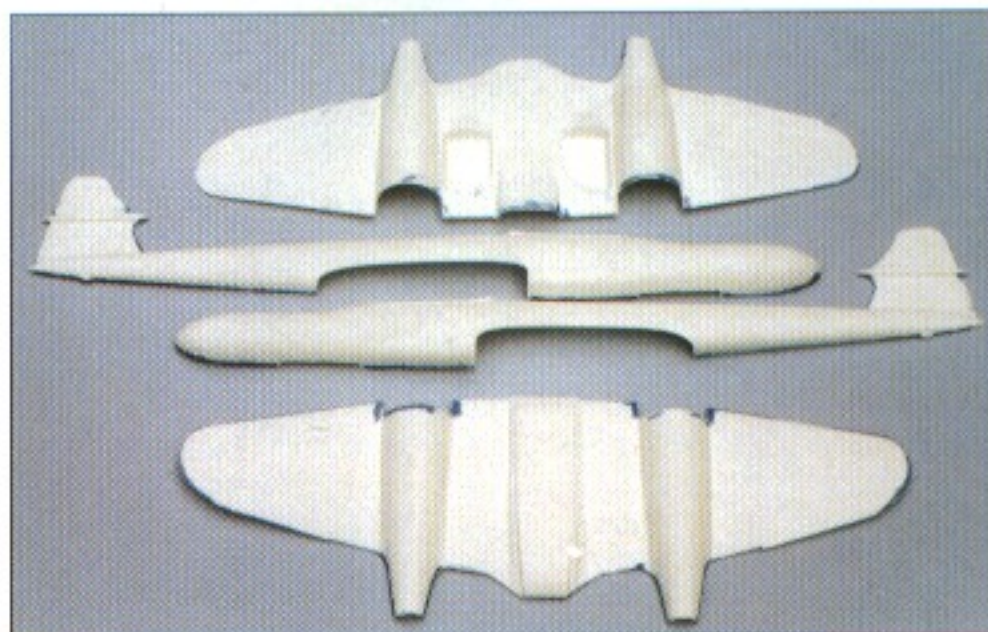
The first task was to remove the vac-form parts from their backing sheets. A line



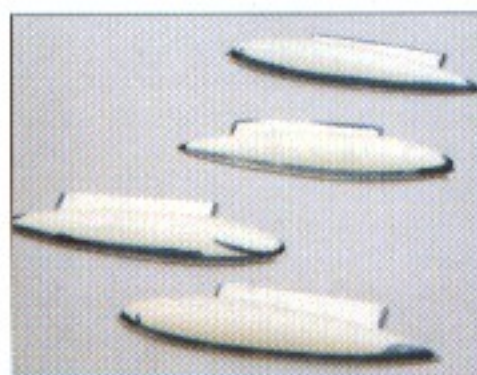
...and the wings



Resin, white metal and limited-run injection moulded parts are included....

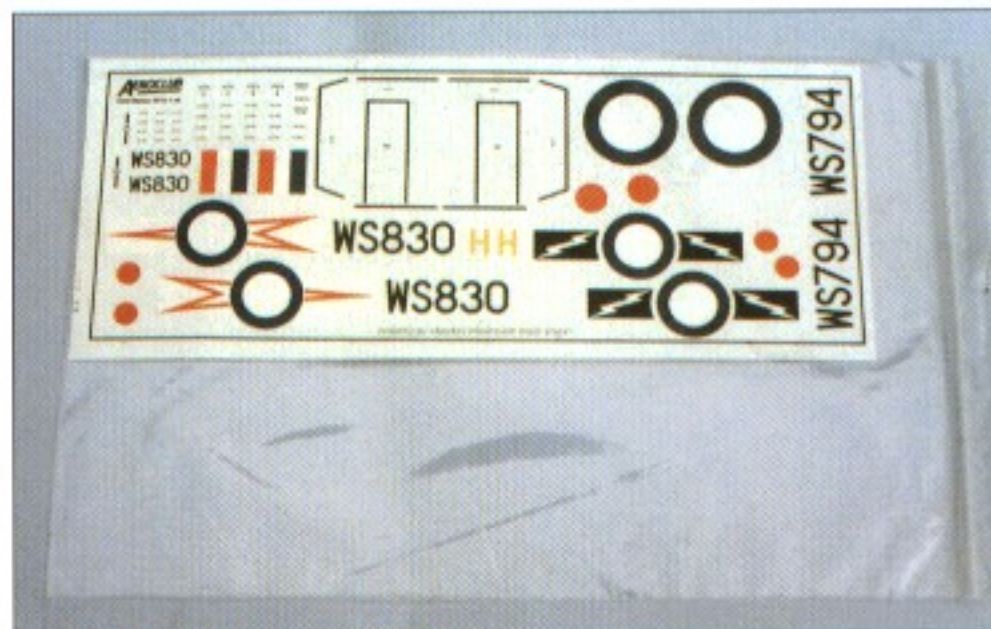


The main components...



...and the drop tanks

was drawn around the parts and the parts were then carefully removed by scribing around and snapping them out. The excess plastic was removed by scraping with a sharp scalpel (with vacuum cleaner handy) and finishing off with wet n'dry. I've used this method for a long time now and provided care is exercised in not going past the pre-drawn line, a good result can be achieved. Having preached about exercising care I must admit to removing a



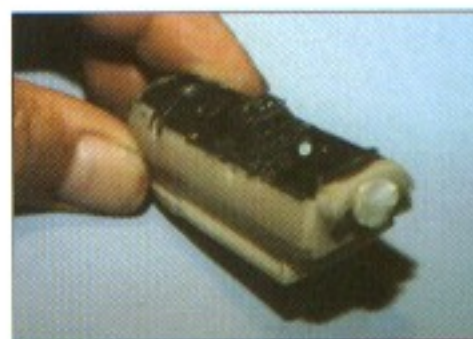
...with a colourful decal sheet from Fantasy Printshop

tad too much off the fin's leading edge and fin bullet, but this was easily rectified with Milliput at a later stage.

Cockpit and Fuselage

With all plastic removed I commenced work on the resin cockpit tub. A coat of the darkest Humbrol matt dark grey I could find was applied and the raised details dry-brushed with white. Dials were picked out in silver and were over painted in Tamiya Clear Green, which works really well. Other switches and knobs were picked out in white, yellow or red. Additional items are added to the tub, namely the foot-rests, 'stowed' radar screen, throttle lever and control column, these items being supplied in white metal.

The tub itself is meant to slide through the saddle aperture in the fuselage. Much dry-fitting, with the fuselage Sellotaped

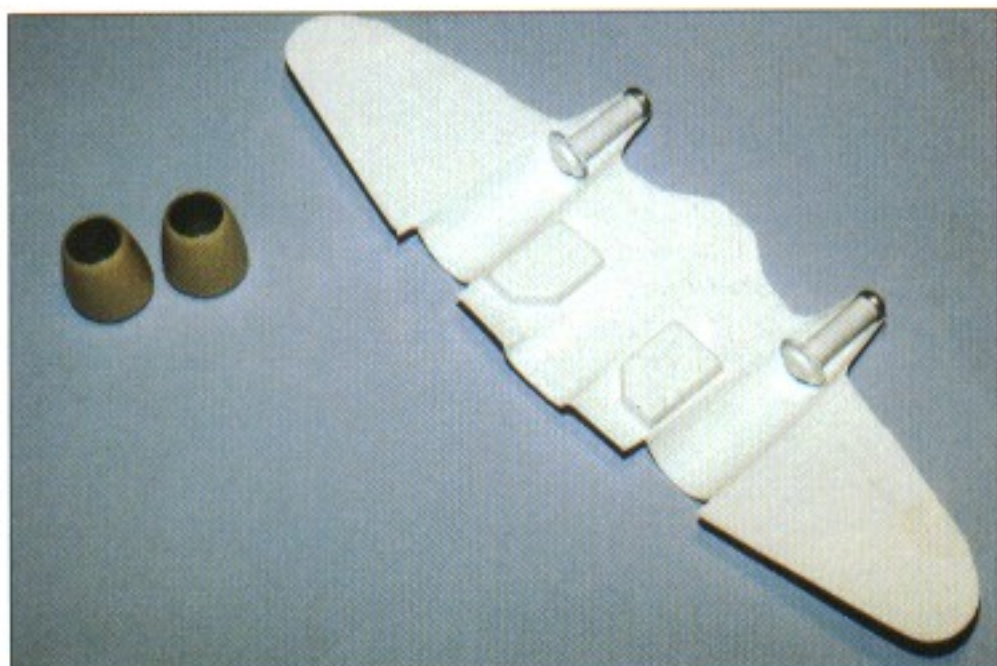


Dark grey was used for the interior colour of the cockpit tub

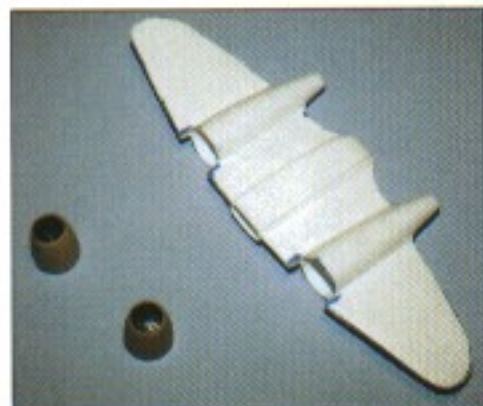
together, followed, but I couldn't quite manage to get the resin at the rear end of the tub, to fit into the recess. The instructions state that excess resin should be removed, but I opted to remove a portion of the fuselage aft of the cockpit. This looked rather drastic, but thankfully my patching up job, using Milliput, filled the gap more than adequately.



One tail-pipe unit built, with one to go and resin intakes



The tail-pipes have been added to the lower wing unit...



...followed by the one-piece upper wing

The forward bulkhead of the Cockpit tub houses the nose-wheel gear and with this in place the fuselage was glued together. The cockpit then slid into place and superglue was carefully applied, through the saddle aperture. A blob of Milliput was used to back the extreme edges of this area to support it.

A small amount of filler was required along the join, but nothing too much.

Wing

The wing comes in two pieces, one upper (featuring the 'saddle') and one lower. Both items require their trailing edges to be

thinned as much as possible to obtain a nice sharp(ish) finish. This takes great care and judgement, as too much removed will mean that any decent plastic cement will melt the area. I find it easier to thin as much as dared, and then apply super glue to the area and sand down - externally. Any 'lost' panel lines can then be re-scribed.

The jet pipes are supplied as plastic tubes which fit onto oval bulkheads which are then glued into the rear of each engine nacelle. The other end of the tubes have white metal jet pipe orifices. The rear nacelles need reaming out to accommodate these. I inadvertently managed to remove too much and had to repair with more Milliput and superglue. Upper and lower wing parts were joined and the engine nacelles were pre-painted internally and added.

Main Construction

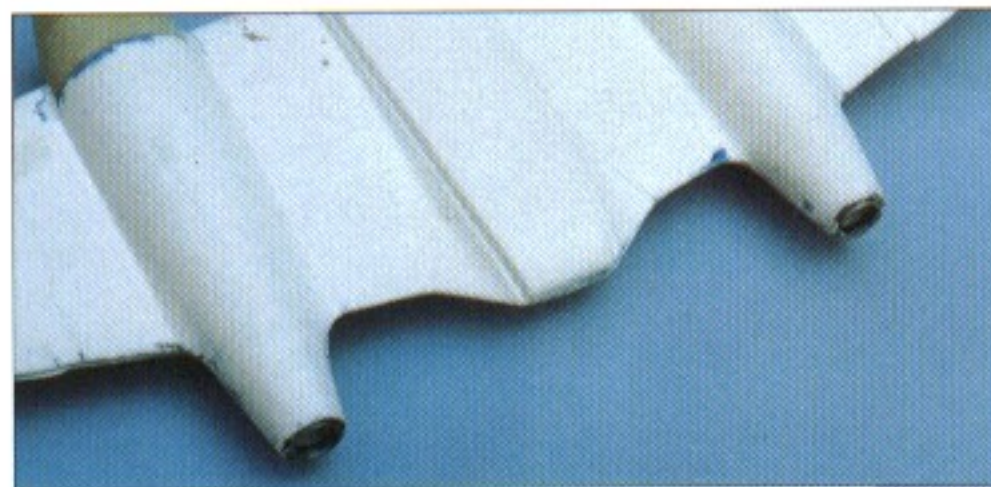
When happy that most of the offending areas had been cleaned up, the wing sub-assembly, with 'saddle', was offered up to the fuselage. I added some tabs at both ends of the wing saddle, and a little plastic was removed from the inner lips of the

fuselage, and the end result was a superb fit, certainly at the saddle, although a little filler was required on the wing/fuselage join.

With the fuselage and wings joined the meat-box was indeed taking shape and was beginning to prototypically resemble an in-flight duck, just as it should. The injection moulded tailplanes were added, as was the belly tank, and it was time to see

Paint-Job

The standard night fighter scheme on the NF.14 was Dark Green and Dark Sea Grey over Medium Sea Grey. Earlier Meteor NF's, and most, if not all, night fighters since WWII (and some during it) featured the earlier scheme of Medium Sea Grey overall with a disruptive pattern of Dark Green on the upper surface. These schemes supposedly gave better results



The jet-pipes are supplied as white metal items



With the resin intakes added the wing is ready for joining

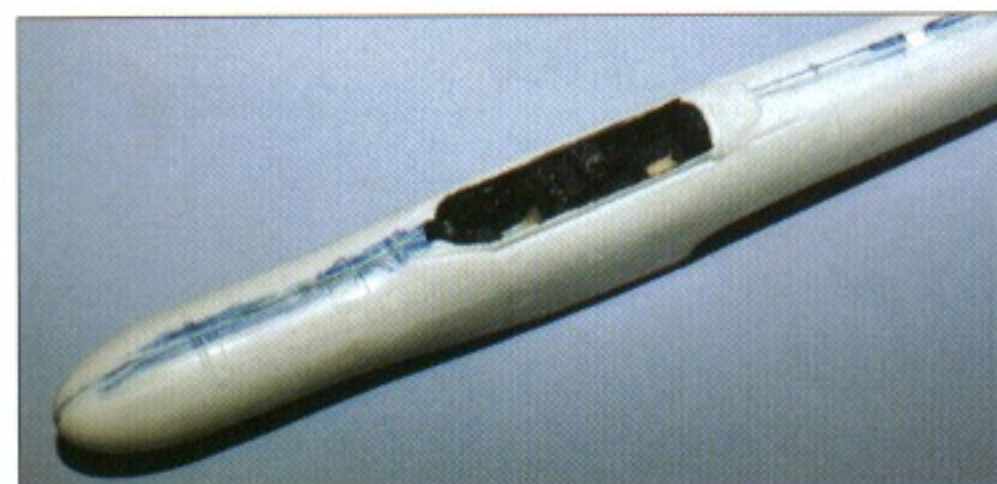
if the sit was okay. The white metal undercarriage units were added and this confirmed my worst fears... the nose-down attitude was far too great, the tail stuck proudly upwards, resembling a Mallard doing an impersonation of an Ostrich! This could of course have been the result of my earlier fitting of the nose gear, although I had managed to get the lower edge of the cockpit tub flush with the fuselage, some drastic action was therefore required. I couldn't access the nose gear, so had to tackle the main undercarriage units. The legs were removed and I removed a portion of the wheel well roof, with the legs re-applied the sit was greatly approved (although my NF.14 appears to be rather heavily laden compared to my other Aeroclub Meteor - the PR.10!).

than the black used prior to this, especially on moon-lit nights.

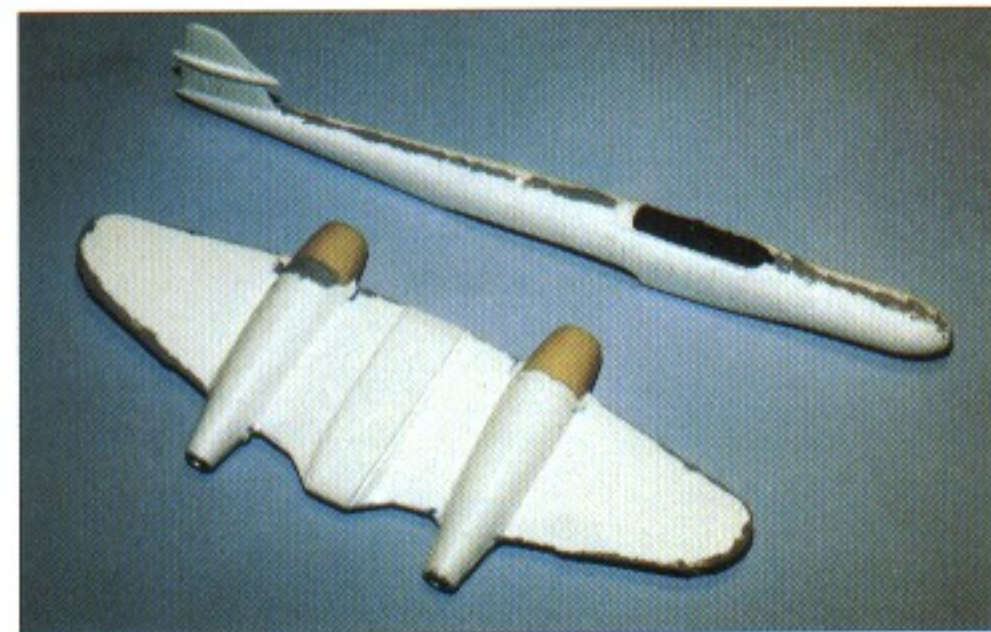
The whole model had all apertures filled with wet tissue and was given an undercoat of Aeromaster's acrylic Medium Sea Grey (but not until after I'd slapped some black paint on the radome, too see what it looked like). Areas of grief were attended too and I applied Humbrol's Dark Sea Grey first. With all dry I attempted the Dark Green, using Xtracolor's RAF/NATO version, this being a much more realistic green shade than Humbrol's but is more difficult (for me anyway) to spray. And this is where part one of the horror story began... I had attempted to use a masking medium that I had never used before and the results were horrific! I therefore had to strip what



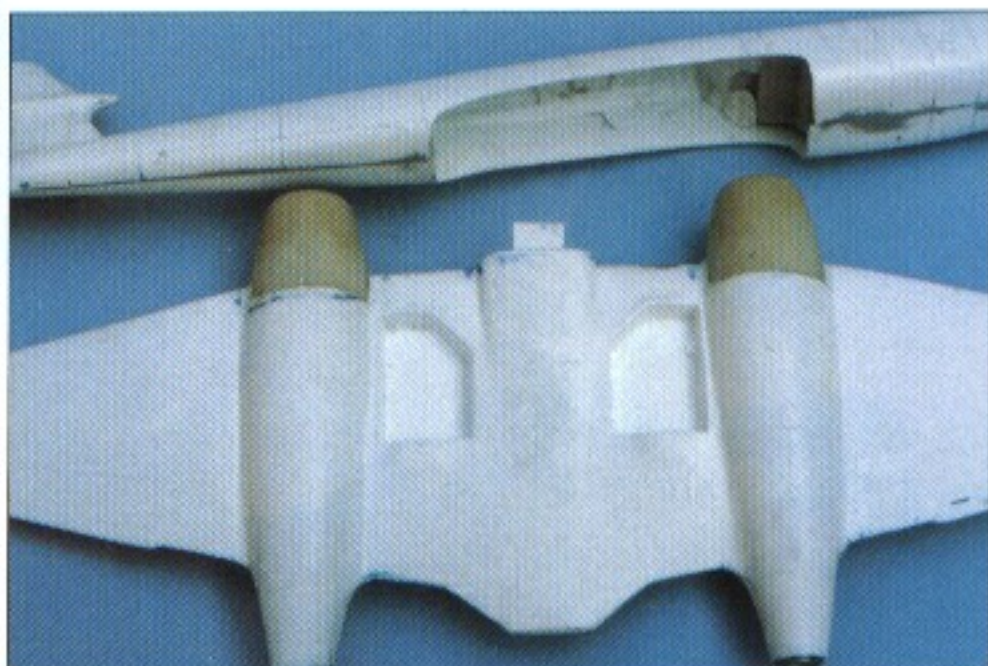
...the NF.14 featured a long narrow fuselage



With the resin tub added the fuselage takes shape...



Here we see both main units



A small 'tab' assisted alignment

green I could off and clean everything up with hot soapy water, and I tried again! This time I had much better results. It did mean that I had to mask both Dark Sea Grey and Green again, and the whole process of just getting the top colours on took four spraying sessions when it should have taken just two! I was getting a little paranoid now about masking these colours, and went on to tackle the Medium Sea Grey under surfaces with some trepidation! I opted for Humbrol's, but this appeared slightly too light, and it was then that I'd realised I'd used their Barley

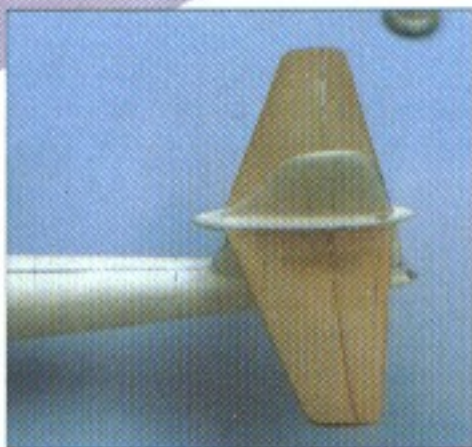
original's faded appearance. Aeroclub actually suggest that a "copper sheen is applied over the black" - that's a bit too technical for me I'm afraid!

Decalling

As I said earlier my chosen subject was an No.85 Sqn. machine; WS740, featuring the red and black chequer-board markings and hexagon. These markings appear (along with many other very colourful Meteor and Venom schemes) as part of the Dutch Decals sheet. In actual fact the No.85 Sqn markings are quoted as being



White metal cannon are supplied

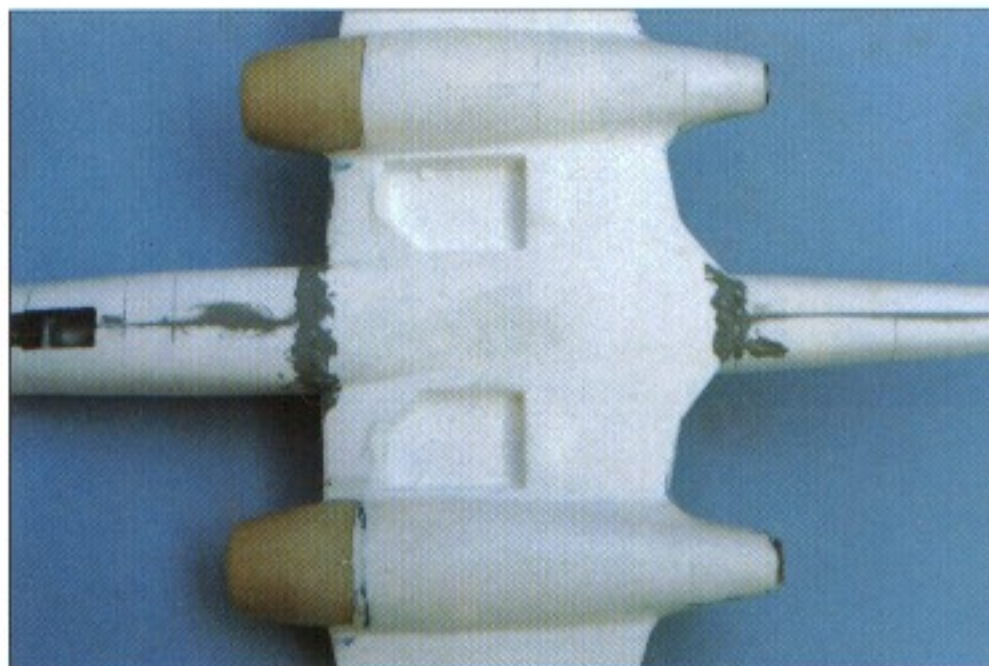


The tail-unit

Grey instead! (I do so wish that Humbrol would put the names of the colour on the tinlet!). I re-applied the correct shade using a thin coat of Xtracolor, at least the coat of Barley Grey acted as a nice undercoat!

A couple of coats of gloss varnish (Johnson's Klear) was added and it was time to re-apply the radome colour. I used a mixture of Matt Black and Dark Earth, mixed in varying shades to represent the

for a Mosquito NF.36, but of course fit the Meteor NF versions and F.8 just as appropriately. I did realise two things about these decals (i) the hexagon should have a white circle surrounding it and (ii), that the red in the decals is as see-through as anything you may see on a Parisian/Milanese cat-walk! I did of course realise this after I had applied one section of the chequer-board, so had to overlay red decal blocks (using sections of the decals for the No.56 Sqn. markings from an Airfix Lightning F.6) on the side already applied. I cheated somewhat on the other side by initially applying the Meteor F.8's No.19 Sqn. Mid-Blue/White chequerboard markings below No.85's markings (the white under the red, and blue under the black). My F.8, when I get around to building it, will of course feature No.500 RAuxAF (County of Kent) Squadron markings, so I thought I could justifiably sacrifice the No.19 Sqn. items in such a fashion!



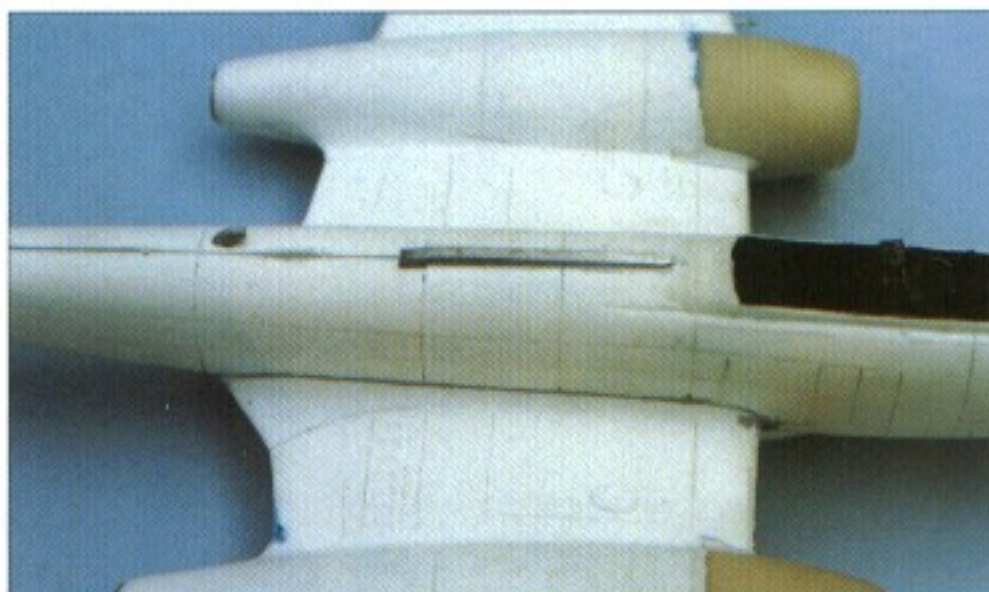
A little filler applied...



...and then the belly tank and main undercarriage units

A word or two on the kit's decal sheet. These are superb, and feature very (VERY) thin carrier film. They do however require an awful lot of TLC to apply them, the film will crinkle if you don't. I laid mine over a thin layer of wet Johnson's Klear, which worked well, and I daresay MicroSol/Set or equivalent would work just as well. I would urge extreme

was the application of the fuselage serial number. This appeared on a Medium Sea Grey panel which cut into the upper colours of Dark Green. A section of clear decal sheet was sprayed with the colour and left to dry for 24 hours. The serials (from Modeldecals set 36a; remember your maths....12in in 1/72nd = 8in in 1/48th!) were then applied as per normal, but



The white metal canopy guide rail

caution though if using solutions such as these, because there is a lot of carrier film surrounding the wing-walk sections! Unfortunately Aeroclub provide virtually no direction as to where the stencils should go so I had to resort to referring to various Modeldecals sheets to assist me here. A peculiar feature on NF Meteors



Ready for painting



A coat of AeroMaster Medium Sea Grey applied as an undercoat



Xtracolor Medium Sea Grey was applied to the undercarriage doors and drop tanks



The canopy and seats are ready for installation

using as little water as possible. The serial 'block' was then cut to shape and applied as per normal. The kit's underwing serials were cobbled together to form the correct one for my chosen example.



The nose area..

Undercarriage Units, Drop Tanks and Aerials

The drop tanks come in two sections each and fit really well, if sanded correctly. I only had to use a little filler on one tank, but this meant I removed the thin band around the centre line. I therefore removed all evidence of the band on both tanks and re-applied them using thin Micro-rod strip. This was a little over-scale so required some gentle sanding down to return it to an acceptable appearance.

All units were painted in their appropriate colours and applied. The drop tanks required some additional detailing, unfortunately no markings are supplied on the decal sheet to represent this. I searched for some suitable items in the decal box, but to no avail so hand-painted (not very accurately!) the prominent white bands. Both tanks had a couple of rectangular sections of plastic card inserted into the pylon, corresponding slots being opened in the lower wings, and the tanks added.

Cockpit

The white metal seats are excellent with differing moulded harness/strap detailing. These were painted dark grey, with the harnesses in buff. Paint was scraped away to expose the shiny buckles. I had to show the canopy open because to be honest I doubt whether I could have managed to fit the canopy closed! My examples seemed



Maskol and parcel tape were used for masking



A mixture of Matt Black & Brown was applied to the radome

to flare outwards at the lower edge so was slightly too wide and not deep enough to fill the 'trough' which doubles, rather nicely, as the guide rails. The windscreen was carefully separated from the hood and with some gentle trimming fitted superbly with the aid of Krystal Klear. I added plasticard rails and runners to ensure that the sliding hood fitted adequately. The framing was depicted by using pre-painted strips of decal.

Finals

Antennae made from stretched sprue were

added, along with a micro-rod pull-down ladder. Panels were high-lighted and low-lighted, with some gentle weathering and scuffing here and there. I wanted my Meteor to reflect the semi-gloss sheen (if there's a pun there somewhere, it was unintended!) of an in-service machine, so applied a thin coat of matt varnish over the entire model. This toned the gloss Klear down, yet retained the nice matt radome. Navigation lights were added, using Krystal Klear and food-dyes. The pitot tube was represented by a section of heat stretched sprue.



... and the dirtied underside



Here's one I completed earlier - the NF.14 and the PR.10



Views of the finished NF.14...



A simple base was made from an old table mat/coaster ("I'm sure we had six of these once" - to quote my wife recently). This was sprayed acrylic Medium Grey, with paving slabs/stones represented by pencilling the lines. The 'slabs' were then oversprayed in a concrete/tarmac sort of colour. My Meteor was placed upon it and there I was with a piece of Kent's aviation history, a chunk of West Malling, 40 odd years ago!!

Conclusion

Hopefully you will have gathered that I thoroughly enjoyed building this kit. It arrived just after returning from my summer holiday (thanks Richard) and helped to overcome the pre-holiday lethargy that had set in, well it was too hot

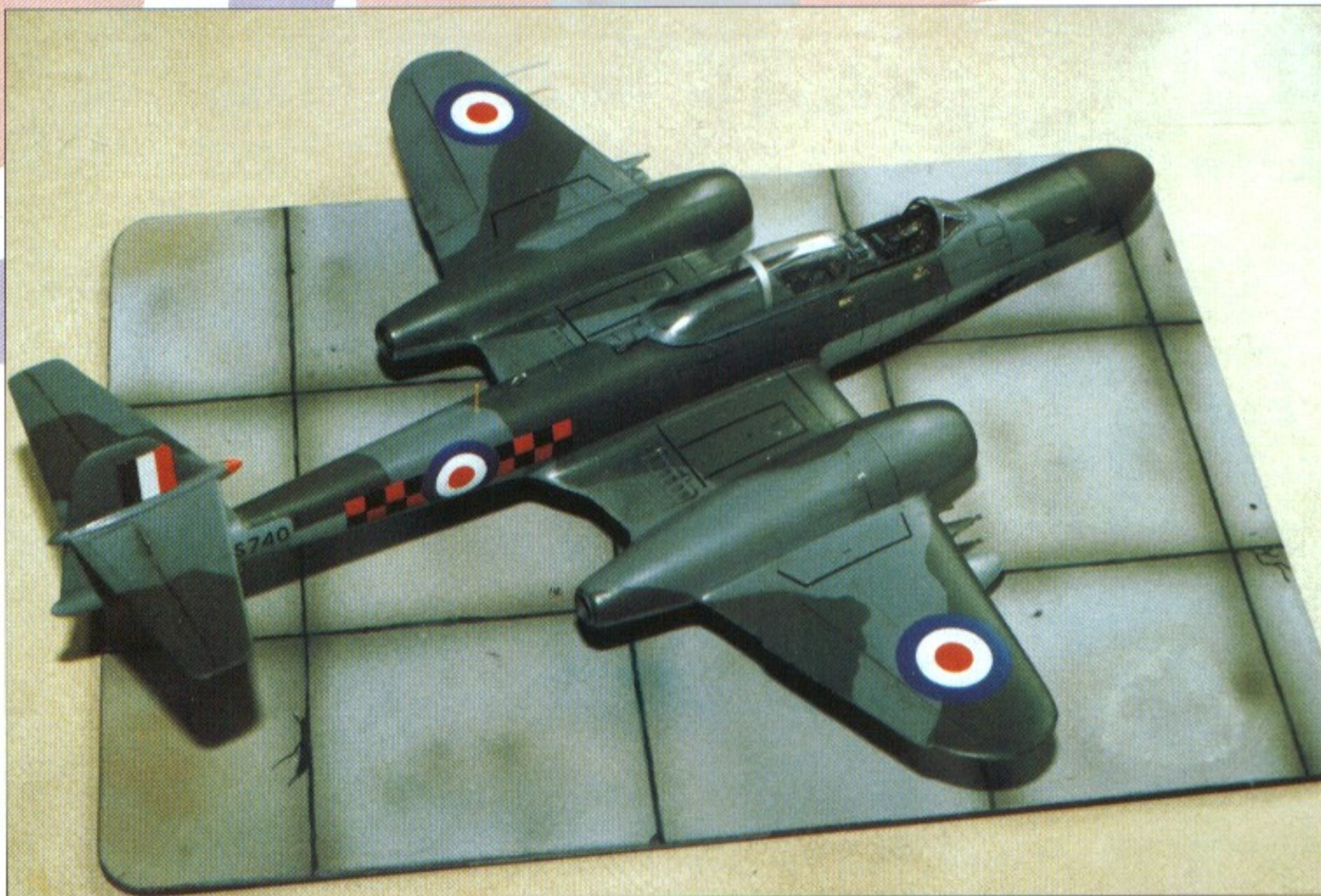
a summer to stick bits of plastic together wasn't it?

Many thanks to Aeroclub for kitting an accurate, colourful and attractive model, and supplying it for this article. This kit has improved upon Aeroclub's earlier models (not that there was much wrong with them either) especially in regard to the white metal moulding (and the airbrakes are now moulded integrally to the wing). Thanks also to the editor for putting up with my constant nagging about this kit, and for sending me the magazine's review model. Enjoyed it? I loved it! So much so that I think I'll buy another while waiting for the earlier Meteor NF's to be issued!

Bill 'Meteor' Clark



...on its piece of West Malling



News

Note: All of the items below have recently been released and are listed for our readers' information. Full reviews of each will appear in a future edition.

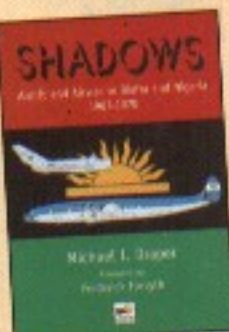
AD Graphics

The latest title from this publisher is all about the IAF's use of the Mirage III/C. This A4 format title has 32 pages of contents and includes colour profiles and B&W photographs of the type.



Hikoki Publications

The latest title from Hikoki is all about the Nigerian Civil War of 1967-1970. The title includes a mass of unpublished photos from this conflict and there are a number of detailed accounts of the various pilots who flew in support of the Nigerian and Biafra forces. The title offers 288 pages, with 32 in colour and a hardback cover. The UK retail price is £29.95 and it is available from Midland Counties Publications.



Airlife

Two new titles have just been added to the Airlife Airliners series. The first is on the Boeing 767, and the other is on the Airbus A300. Each is in an A4 format with 128 pages and a laminated card cover. The narrative text deals



with all aspects of the type and this is coupled with detailed colour photographs and a complete technical data and production list. Each title is £16.95 and they can be obtained in all good bookshops.

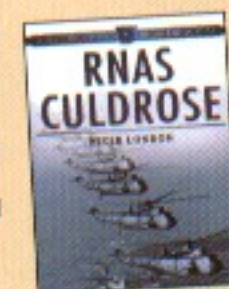
Osprey

The latest addition to the Osprey Civil Aircraft series is on the Boeing 757 & 767 and has been written by Robbie Shaw. The 21cmx23cm title offers 128 pages and a laminated card cover. Basically it offers a large selection of clear colour photographs of the type in a variety of operators' colour schemes. This title retails for £12.99 and can be obtained in all good book shops.



Sutton

Produced in the Photographic History of Aviation by Sutton, the latest title takes a look at RNAS Culdrose. The 128 page, A5 title has a laminated card cover and is packed with B&W photographs of the various types that have been operated at HMS Seahawk from 1947 to date. The narrative is limited to the introduction and the captions for each photograph and the photographs themselves are organised into aircraft types, e.g. fixed-wing and rotary-wing. Station Flight. School of Aircraft Handling and other units are also covered, as well as recollections of the airshows held there over the years. This title is £10.99 and can be obtained in all good book shops.



Sukhoi Su-27 Flanker - Air Superiority Fighter

by Yefim Gordon

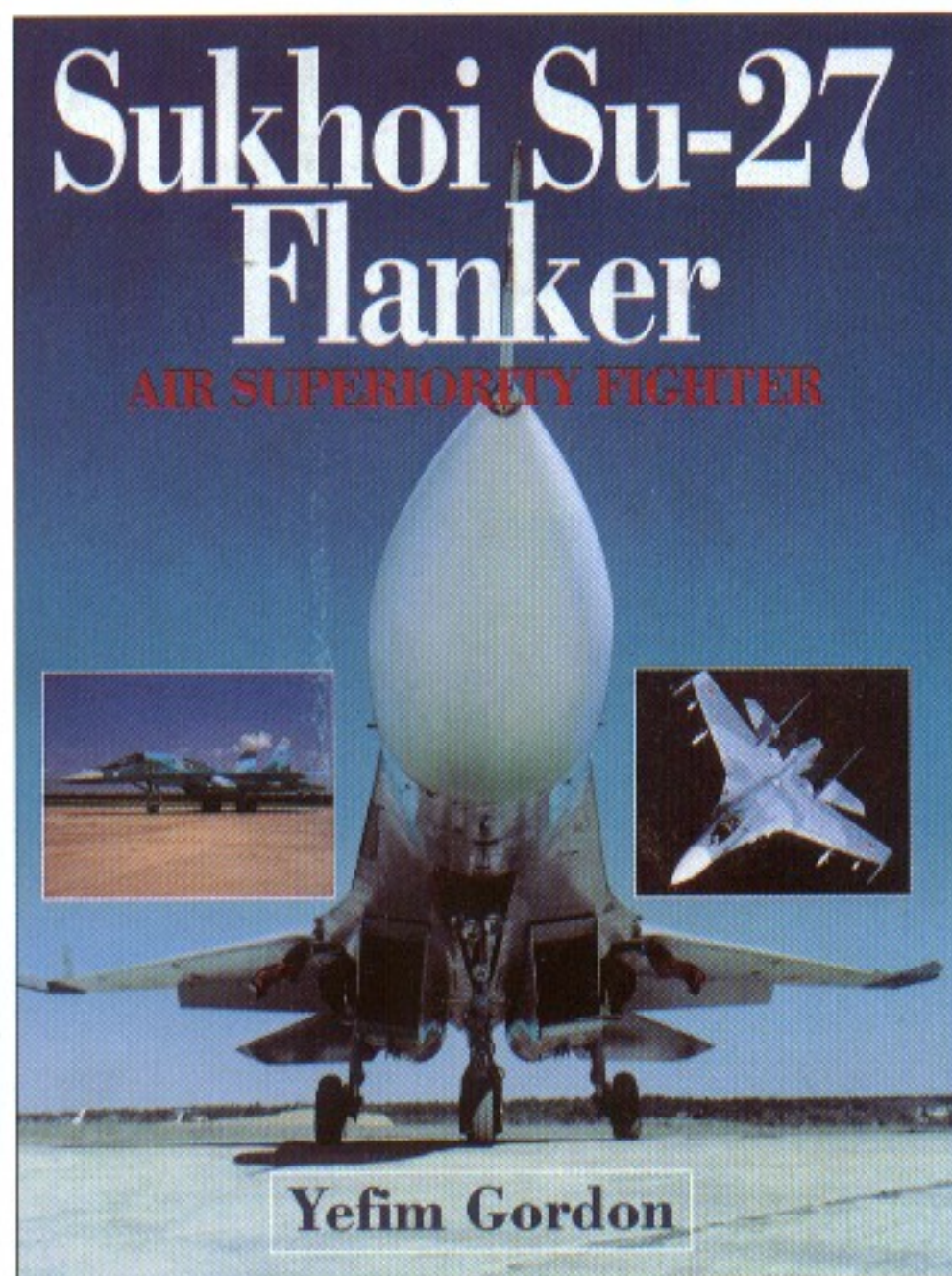
Price: £24.95
ISBN: 1 84037 029 7
Publisher: Airlife Publishing
Format: 20cmx25cm, 182 page, hardback

This title is packed full of clear photographs and technical information about the type, along with a detailed look at the development and service use of the Su-27 design throughout the Russian Air Force and Navy. Each sub-variant is dealt with in turn and the author has backed all of this up with a good selection of colour and B&W photographs. Extremely clear colour photographs of the cockpit area in a number of versions are also included, and these will be of great interest to modellers. A whole chapter deals with the shipboard version of the design; Su-27K. The centre of the title offers 16 pages of colour side views of Su-27s, with an average of four per page. The final chapter takes a detailed look at the Su-27 and Su-30 series and this includes drawings of a number of versions, although they are not identified as being to any scale.

This title will be of great interest to all Soviet aircraft fans, and the level of detail etc makes it a must for all Soviet A.E. modellers.

This title can be obtained from all good bookshops. In case of difficulty contact Airlife directly on 01743 235651.

Our thanks to Airlife Publishing for the review sample.



Nakajima Ki-43 Hayabusa

by P. Skulski

Price: £TBA
ISBN: 83 86153 98 9
Publisher: Ace Publishing
Format: 21cmx29cm, 48 page, laminated card cover.

This new title from Ace includes historical text and period photographs coupled with 1/72nd scale plans of all versions and detailed photos in and around the preserved example at Oshkosh and the new versions being built in Texas. The title also

includes good colour artwork of the cockpit interior and detailed sketches of such areas as the undercarriage, flaps etc. There is also a section dealing with all the kits that have been produced of the type. The final section is an English summary and four pages of B&W side profiles and a set of 1/48th scale plans.

This is an excellent title on the Oscar and one which can be recommended to all Japanese A.E. fans.

Our thanks to Ace Publication for the review sample.



The Alternative Luftwaffe

by John Baxter

Price: £TBA
ISBN:
Publisher: John Baxter
Format: 21cmx29cm, 48 page, Laminated Card Cover.

With the deep interest in Luftwaffe '46 that many have, this new, private publication title will appeal to many.

The title offers alternative stories involving the Luftwaffe throughout WWII and beyond and includes some computer

generated images of certain 'paper aircraft' designs in use.

The 'alternative' stories are well thought out and technically sound and I am sure that all Luft '46 will find this a great source of inspiration.

As far as I am aware this title is only available directly from the publisher, and payment can be made in Aus\$ by IMO (No credit cards). For more details contact the author directly.

Our thanks to John Baxter for the review sample.

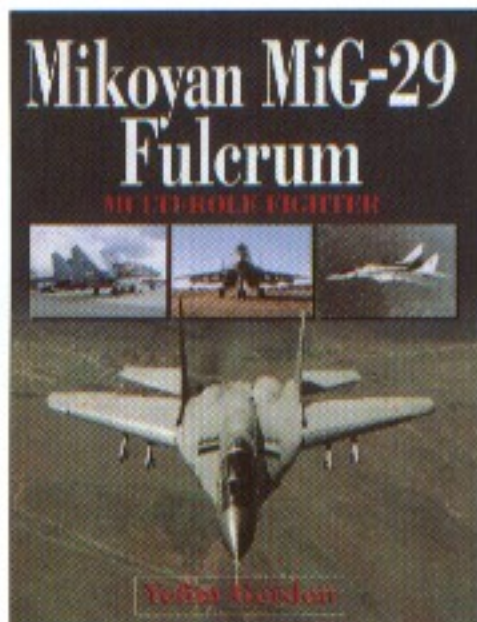


Mikoyan MiG-29 Fulcrum

by Yefim Gordon

Price: £24.95
ISBN: 1 84037 028 9
Publisher: Airline Publishing
Format: 20cmx25cm, 226 page, hardback

Once again the title follows the same format as the previous one on the Su-27. The narrative takes a detailed look at the development and use of the MiG-29 series, with a look at each prototype to start with. Clear colour photographs of such areas as the cockpit back up most sections, with B&W photographs throughout the narrative text. The next chapters cover the MiG-29M and the shipboard MiG-29K. Foreign operators of the type are covered



next and there is a twelve page colour section offering a large number of colour side profiles. A very detailed look at the type finishes the title off and this is backed up with line drawings, although these are not identified as being to any scale. This is another fine title from Airline and it can be highly recommended to all. The clear photographic coverage of the various types make this another ideal title for the modeller. This title can be obtained from all good bookshops. In case of difficulty contact Airline directly on 01743 235651.

Our thanks to Airline Publishing for the review sample.

de Havilland D.H.2 In Action

by Peter Cooksley

Price: £6.99
ISBN: 0 89747 408 2
Publisher: Squadron-Signal
Format: A4 Landscape, 50 pages, laminated card cover

This title follows the standard format of this series. The author takes a look at the development and service use of the D.H.2 and this is all backed up with technical data, scale plans and colour profiles mixed with period photographs to offer the modeller a good understanding of this significant WWI type.

This is another good title from Squadron and one which can be recommended to all WWI fans. The official importer and distributor for this range in the UK is



Pocketbond Ltd. Our thanks to Squadron-Signal for the review sample.

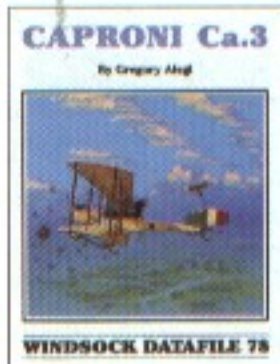
Caproni Ca.3

by Gregory Alegi

Price: £8.75
ISBN: 1 902207 17 3
Publisher: Albatros Productions
Format: A4, 40 pages, laminated card cover

The latest addition to the Windsock Datafile

follows the standard format of the series. The narrative text covers the design and development of the type, along with its service use and this is all supported with period B&W photographs and 1/72nd and 1/48th scale plans. The package is completed with detailed photographs of the



type's construction and notes on the camouflage and markings applied to it. This title is a real must for all WWI fans and is available directly from the publisher and selected outlets. Our thanks to Albatros Productions Ltd for the review sample.

Bell P-39 Airacobra

by Bert Kinsey

Price: £10.95
ISBN: 1 888974 16 8
Publisher: Squadron-Signal
Format: 21cmx28cm, 80 pages (16 colour), laminated card cover

This is the latest addition to the Detail & Scale series and it follows the standard format for the series. The narrative takes a detailed look at each version and this is supported with period B&W photos and manual extracts.

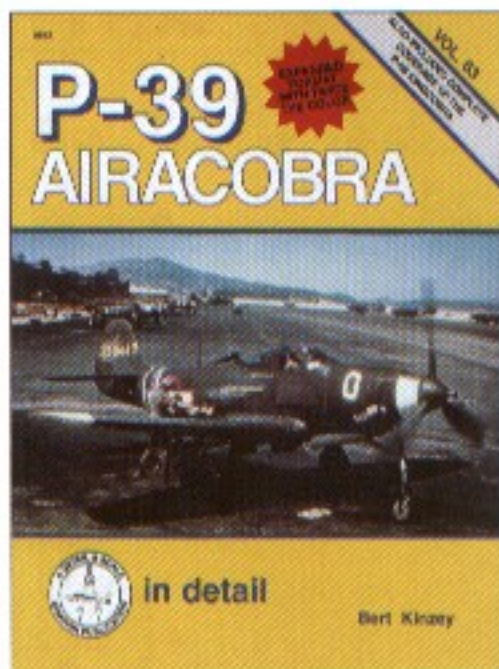
The expanded colour cover of 16 pages offers various interior and exterior

photographs of preserved examples in the USA. The versions covered include the XFL-1 Airabonita, XP-39, XP-39B, YP-39, P-39C, Airacobra I & P-400, P-39D, P-39F & J, P-39K, L, M & N, P-39Q, XP-39E.

The title also takes a look at the P-63 Kingcobra and includes the XP-63, 63A, P-63A, RP-63A, P-63, P-63E & F and RP-63G. This title is certainly a must for all modellers and can therefore be highly recommended to all.

The official importer and distributor for this range in the UK is Pocketbond Ltd.

Our thanks to Squadron-Signal for the review sample.



Squadron-Signal

The latest title in the Walk Around series is on the F-86 Sabre. This title takes the standard format of the series, with 80 pages in an A4 landscape format. The coverage is split 50/50 in B&W and colour and includes a mass of period photographs, but no detailed ones of preserved examples. This title should be around £10.95 in the UK and the series is imported by Pocketbond Ltd.



Books International

The Fiat BR.20 title that was previously released by Wydawnictwo Militaria has now been translated into English and released by Books International. The title still follows the layout of the previous edition, offering 42 pages in an A4 format with a laminated card cover. This title is available from the publisher for £8.99.

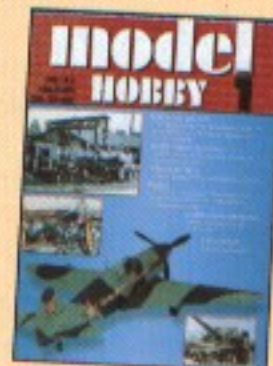


Newstand

This section is devoted to newsletters and club magazines, as well as foreign language magazines.

Magazines & Quarterly Publications

Model Hobby
This is the new title from Mirage Hobby in Poland. This first edition is in an A4 format with 82 pages and covers all elements of modelling, including aircraft, armour and trains. The aircraft subjects covered in this first edition include the AM 1/48th Yak-1, ICM 1/48th Yak-7A & Yak-7W, as well as a historical feature on the series. Other features include a review of the Revell® Fw 190A-8, four model show reports and a photo feature on a preserved Aviatik Berg D.I. All the text and photo captions are only in Polish.



Clubs and Societies

If you produce a club magazine and would like to see it in the Newstand, please send along copies to the editorial address. Remember to include all contact details as well as any charges that may be involved for potential new members.

Distributors and Publishers

If you produce or distribute a magazine that deals with aviation or static scale modelling, and would like to see it in the Newstand, please send copies to the editorial address, with full details of their regularity and price.

T.I.H. of McDonnell Douglas

by Bill Gunston & Mike Badrocke

Price: £22.50

ISBN: 1 85532 924 7

Publisher: Osprey Aviation Publishing

Format: 23cmx27cm, 150 page, hardback

This is the third title in the very popular series on certain manufacturers.

Just about every McDonnell and Douglas design is covered and most of the successful ones feature on beautiful gatefold cutaways. The types covered include the Davis-Douglas Cloudster, DT, O-2, T2D (P2D), PD, Dolphin, DC-1, DWC, DC-2, Y1B-7, DC-3, TBD, SBD, B-18, DC-4E, DB-7,

DC-5, B-19, B-23, C-54 (DC-4), SB2D (BTD), XTBD, XB-42/43, C-74, C-124, AD, F3D, A2D, DC-6, D-558-1/2, F4D, X-3, A3D, B-66, DC-7, C-133, A4D, DC-8, DC-9, XP-67, FD-1, F2H, XF-85, XF-88, F3H, F-101, F-4, 118, DC-10, F-15, YC-15, AV-8B, F/A-18, MD-80, T-45A, MD-11, C-17, MD-90, AH-64, 500 and MD 900.

This is an excellent and very useful title that can be recommended to all. This title should be available from all good bookshops, but in case of difficulty contact Osprey Direct on 01933 443863.

Our thanks to Osprey for the review sample.

Bf 109G/K Aces of the Western Front

by John Weal

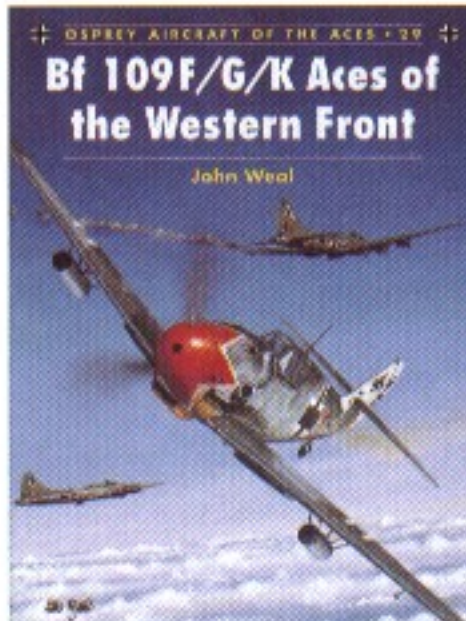
Price: £10.99

ISBN: 1 85532 905 0

Publisher: Osprey Publishing

Format: A5, 96 pages, laminated card cover

This is the twenty-ninth title in the Osprey Aircraft of the Aces series and it takes the usual format for the series. The narrative takes a concise look at the Bf 109F/G/K series and the aces that flew them on the Western Front. Initially offensive and Jabo operations with the F and G series, but by late 1944 the type was being used in defence of the Reich. Ten pages in the centre of the title offer colour profiles of 40 aircraft. The final chapter looks at the Normandy to end of war period and includes a good selection of B&W period photographs. The final section of this title includes 1/72nd scale plans of the Bf 109G-6 and G-10, along with just side views of seven other variants.



This is another good title in the series and one which can be recommended to all Luftwaffe fans. This title should be available from all good bookshops, but in case of difficulty contact Osprey Direct on 01933 443863. Our thanks to Osprey for the review sample.

F-86 Sabre Fighter-bomber Units over Korea

by Warren Thompson

Price: £13.99

ISBN: 1 85532 929 8

Publisher: Osprey Publishing

Format: 21cmx25cm, 128 pages, laminated card cover

The other title available from Osprey is the second in their new Frontline Colour series and it deals with the F-86 Sabre in the fighter-bomber role over Korea. This title is packed full of clear colour photographs of the type during its use in the Korean War. Most of these images are produced very large, with only one or two per page, and the narrative is limited to a short supportive text. Both close-up and overall shots of the F-86 are included and for modellers and historians it offers a real wealth of information.

This is a real must for all modellers.



It should be available from all good bookshops, but in case of difficulty contact Osprey Direct on 01933 443863. Our thanks to Osprey for the review sample.

P-47 Thunderbolt Aces

by Jerry Scutts

Price: £10.99

ISBN: 1 85532 906 9

Publisher: Osprey Publishing

Format: A5, 96 pages, laminated card cover

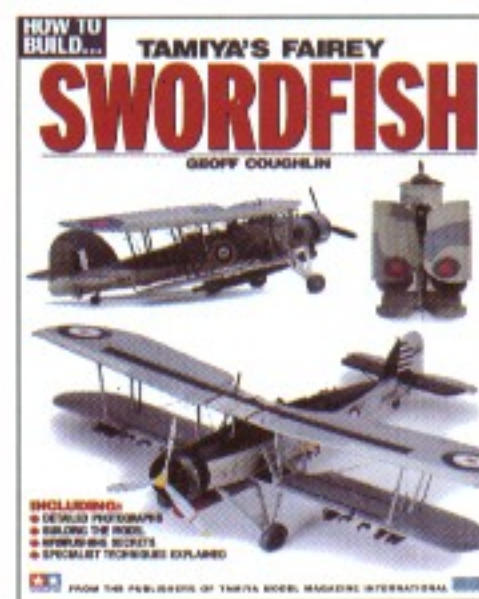
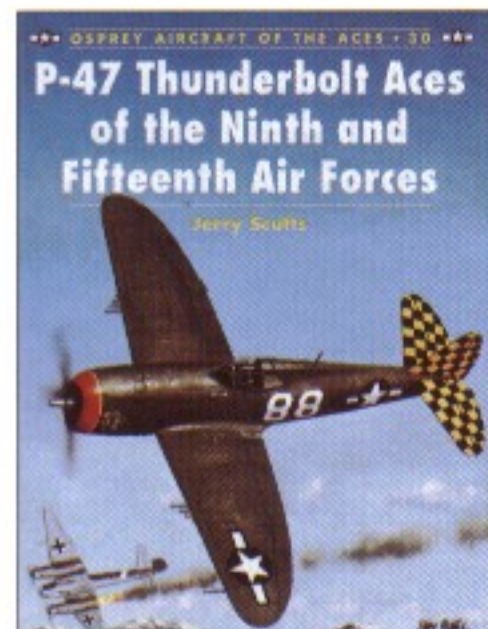
This is the thirtieth title in the Aircraft of the Aces series and it takes a detailed look at P-47 operations by the 9th & 15th A.F. The narrative takes a look at each operational role and area undertaken by these groups, namely escort and dive-bombing, invasion support, the Southern Front, Continental

sweep, Ardennes and 'the end run'.

Each of these sections is then broken down in date order and is backed up with a good selection of B&W photos.

The centre includes 10 pages of colour side profiles and the last section offers 1/72nd scale plans of the P-47D-15. This is another good title and one which can be recommended to all USAF fans.

It should be available from all good bookshops, but in case of difficulty contact Osprey Direct on 01933 443863. Our thanks to Osprey for the review sample.



Tamiya's Fairey Swordfish

by Geoff Coughlin

Price: £9.95

ISBN: N/A

Publisher: ADH Publishing

Format: 50 page, A4, laminated card cover

This is a new title all about making the recent Swordfish kit from Tamiya. The book takes a very long look at all elements of the construction of this new Tamiya kit, and it is backed up with colour photographs of the preserved examples at

the RNHF at Yeovilton. The title is printed to the highest quality and is on high quality art paper. All the images are large and clear, although it does not include any scale plans or colour side profiles to assist the modeller in checking the accuracy of the kit, or choosing alternative colour schemes.

This title can be obtained from the publisher or from selected book and model shops.

Our thanks to ADH Publishing for the review sample.

NEW DETAIL SETS!

3006 Soviet tank T-34 transmission set 1/35
(photo etched parts, highly detailed transmission, fuel tanks) for TAMIYA kit

3005 M939 series truck 1/35 wheel set for ITALERI kit
(highly detailed - front, rear wheels provided with realistic tread, rim and disc, spare wheel)

3004 M939 series truck 1/35 Engine set for ITALERI kit
(engine processed in detail - engine's hood)

U.K. Source - HANNANTS

DARTMOOR MILITARY MODELS

Range of 1:48 Scale White Metal Military and Aviation Figures and Accessories

LATEST RELEASES

48:016 WWII Walking RAF pilot with a mechanic£3.90
48:017 WWII Luftwaffe pilot with a German Paratrooper£3.90
48:018 WWII L.R.D.G./S.A.S. standing figure with a sitting driver£3.90

* TRADE ENQUIRIES WELCOME *

For illustrated price list please include SAE or IRC **Calverleigh Cottage, Tiverton, Devon**
EX16 8BB UK Tel No: 01884 - 254167 Fax No: 01884 - 253226

CREDIT CARD ORDERS WELCOME

Postage & Packing
 UK 10%
 Europe 15%
 Overseas 30%

MATADOR MODELS

EXTENSIVE 1/76TH SCALE VEHICLE AND CONVERSION RANGES, FROM WWI TO THE 1980'S

and **Airfield Accessories** 1/35th, 1/48th, 1/72nd, 1/76th scale ranges of British and German airfield vehicles and equipment including ambulances, refuellers, tractors, G.S. and specialist vehicles, starter trolleys, etc.

NEW: 1/72nd Opel Blitz Hydrogen Peroxide Tanker

NEW: 1/76th RAF Ford WOT I Crew Coach

plus: 1/76th scale GERMAN ARMoured TRAIN
 1/144th scale AIRCRAFT COCKPIT DETAILS; 1/87th VEHICLE RANGE

For full catalogue please send SAE or 2 IRCs to:
MATADOR MODELS
 6 Cliffe Road, Barton on Sea, NEW MILTON, Hants. BH25 7PB
 Fax: 01425 628219

LONE STAR MODELS

1/192, 1/72 Scale Multi Media U.S. Civil War Ships.
 1/72, 1/48, 1/32 Multi Media Aircraft and Detail sets.

Wholesale and retail sales, MC & Visa, Check and MO in USD only.

Visit our web site at:
www.lonestarmodels.com

13758 Drakewood, Sugarland TX. 77478, USA
 Phone: 281-242-3604 M-F 8:00am/6:00pm CST
 Fax: 281-242-4481 24hrs.
 Email: lsmodels@pdq.net

MISTERKIT

The Specialist of Italian Aircraft Kits and much more!!

We support IPMS Italy and CMRP

Call for information: 0039-02-8243791

VINTAGE MODELS 1:48	MISTERKIT Plastic Kit 1:72 with photoetched, resin parts and decals	GERMAN WWI ACRYLIC COLOURS
48001 - Fiat CR.42 Falco	7201 - Fiat CR.42 Falco	MSC01 ALBATROS RED BROWN
7201 - Fiat CR.42 Falco	7202 - Fiat CR.42 Falco	MSC02 ALBATROS NAVY
7202 - Fiat CR.42 Falco	7203 - Fiat CR.42 Falco	MSC03 ALBATROS PALE BLUE
7203 - Fiat CR.42 Falco	7204 - Fiat CR.42 Falco	MSC04 ALBATROS PALE GREEN
7204 - Fiat CR.42 Falco	7205 - Fiat CR.42 Falco	MSC05 ALBATROS GREEN
7205 - Fiat CR.42 Falco	7206 - Fiat CR.42 Falco	MSC06 ALBATROS OLIVE GREEN
7206 - Fiat CR.42 Falco	7207 - Fiat CR.42 Falco	MSC07 ALBATROS LIGHT GREY
7207 - Fiat CR.42 Falco	7208 - Fiat CR.42 Falco	MSC08 ALBATROS DARK GREY
7208 - Fiat CR.42 Falco	7209 - Fiat CR.42 Falco	MSC09 ALBATROS LIGHT BLUE
7209 - Fiat CR.42 Falco	7210 - Fiat CR.42 Falco	MSC10 ALBATROS DARK BLUE
7210 - Fiat CR.42 Falco	7211 - Fiat CR.42 Falco	MSC11 ALBATROS LIGHT BROWN
7211 - Fiat CR.42 Falco	7212 - Fiat CR.42 Falco	MSC12 ALBATROS DARK BROWN
7212 - Fiat CR.42 Falco	7213 - Fiat CR.42 Falco	MSC13 ALBATROS LIGHT GREY
7213 - Fiat CR.42 Falco	7214 - Fiat CR.42 Falco	MSC14 ALBATROS DARK GREY
7214 - Fiat CR.42 Falco	7215 - Fiat CR.42 Falco	MSC15 ALBATROS LIGHT BLUE
7215 - Fiat CR.42 Falco	7216 - Fiat CR.42 Falco	MSC16 ALBATROS DARK BLUE
7216 - Fiat CR.42 Falco	7217 - Fiat CR.42 Falco	MSC17 ALBATROS LIGHT BROWN
7217 - Fiat CR.42 Falco	7218 - Fiat CR.42 Falco	MSC18 ALBATROS DARK BROWN
7218 - Fiat CR.42 Falco	7219 - Fiat CR.42 Falco	MSC19 ALBATROS LIGHT GREY
7219 - Fiat CR.42 Falco	7220 - Fiat CR.42 Falco	MSC20 ALBATROS DARK GREY
7220 - Fiat CR.42 Falco	7221 - Fiat CR.42 Falco	MSC21 ALBATROS LIGHT BLUE
7221 - Fiat CR.42 Falco	7222 - Fiat CR.42 Falco	MSC22 ALBATROS DARK BLUE
7222 - Fiat CR.42 Falco	7223 - Fiat CR.42 Falco	MSC23 ALBATROS LIGHT BROWN
7223 - Fiat CR.42 Falco	7224 - Fiat CR.42 Falco	MSC24 ALBATROS DARK BROWN
7224 - Fiat CR.42 Falco	7225 - Fiat CR.42 Falco	MSC25 ALBATROS LIGHT GREY
7225 - Fiat CR.42 Falco	7226 - Fiat CR.42 Falco	MSC26 ALBATROS DARK GREY
7226 - Fiat CR.42 Falco	7227 - Fiat CR.42 Falco	MSC27 ALBATROS LIGHT BLUE
7227 - Fiat CR.42 Falco	7228 - Fiat CR.42 Falco	MSC28 ALBATROS DARK BLUE
7228 - Fiat CR.42 Falco	7229 - Fiat CR.42 Falco	MSC29 ALBATROS LIGHT BROWN
7229 - Fiat CR.42 Falco	7230 - Fiat CR.42 Falco	MSC30 ALBATROS DARK BROWN
7230 - Fiat CR.42 Falco	7231 - Fiat CR.42 Falco	MSC31 ALBATROS LIGHT GREY
7231 - Fiat CR.42 Falco	7232 - Fiat CR.42 Falco	MSC32 ALBATROS DARK GREY
7232 - Fiat CR.42 Falco	7233 - Fiat CR.42 Falco	MSC33 ALBATROS LIGHT BLUE
7233 - Fiat CR.42 Falco	7234 - Fiat CR.42 Falco	MSC34 ALBATROS DARK BLUE
7234 - Fiat CR.42 Falco	7235 - Fiat CR.42 Falco	MSC35 ALBATROS LIGHT BROWN
7235 - Fiat CR.42 Falco	7236 - Fiat CR.42 Falco	MSC36 ALBATROS DARK BROWN
7236 - Fiat CR.42 Falco	7237 - Fiat CR.42 Falco	MSC37 ALBATROS LIGHT GREY
7237 - Fiat CR.42 Falco	7238 - Fiat CR.42 Falco	MSC38 ALBATROS DARK GREY
7238 - Fiat CR.42 Falco	7239 - Fiat CR.42 Falco	MSC39 ALBATROS LIGHT BLUE
7239 - Fiat CR.42 Falco	7240 - Fiat CR.42 Falco	MSC40 ALBATROS DARK BLUE
7240 - Fiat CR.42 Falco	7241 - Fiat CR.42 Falco	MSC41 ALBATROS LIGHT BROWN
7241 - Fiat CR.42 Falco	7242 - Fiat CR.42 Falco	MSC42 ALBATROS DARK BROWN
7242 - Fiat CR.42 Falco	7243 - Fiat CR.42 Falco	MSC43 ALBATROS LIGHT GREY
7243 - Fiat CR.42 Falco	7244 - Fiat CR.42 Falco	MSC44 ALBATROS DARK GREY
7244 - Fiat CR.42 Falco	7245 - Fiat CR.42 Falco	MSC45 ALBATROS LIGHT BLUE
7245 - Fiat CR.42 Falco	7246 - Fiat CR.42 Falco	MSC46 ALBATROS DARK BLUE
7246 - Fiat CR.42 Falco	7247 - Fiat CR.42 Falco	MSC47 ALBATROS LIGHT BROWN
7247 - Fiat CR.42 Falco	7248 - Fiat CR.42 Falco	MSC48 ALBATROS DARK BROWN
7248 - Fiat CR.42 Falco	7249 - Fiat CR.42 Falco	MSC49 ALBATROS LIGHT GREY
7249 - Fiat CR.42 Falco	7250 - Fiat CR.42 Falco	MSC50 ALBATROS DARK GREY
7250 - Fiat CR.42 Falco	7251 - Fiat CR.42 Falco	MSC51 ALBATROS LIGHT BLUE
7251 - Fiat CR.42 Falco	7252 - Fiat CR.42 Falco	MSC52 ALBATROS DARK BLUE
7252 - Fiat CR.42 Falco	7253 - Fiat CR.42 Falco	MSC53 ALBATROS LIGHT BROWN
7253 - Fiat CR.42 Falco	7254 - Fiat CR.42 Falco	MSC54 ALBATROS DARK BROWN
7254 - Fiat CR.42 Falco	7255 - Fiat CR.42 Falco	MSC55 ALBATROS LIGHT GREY
7255 - Fiat CR.42 Falco	7256 - Fiat CR.42 Falco	MSC56 ALBATROS DARK GREY
7256 - Fiat CR.42 Falco	7257 - Fiat CR.42 Falco	MSC57 ALBATROS LIGHT BLUE
7257 - Fiat CR.42 Falco	7258 - Fiat CR.42 Falco	MSC58 ALBATROS DARK BLUE
7258 - Fiat CR.42 Falco	7259 - Fiat CR.42 Falco	MSC59 ALBATROS LIGHT BROWN
7259 - Fiat CR.42 Falco	7260 - Fiat CR.42 Falco	MSC60 ALBATROS DARK BROWN
7260 - Fiat CR.42 Falco	7261 - Fiat CR.42 Falco	MSC61 ALBATROS LIGHT GREY
7261 - Fiat CR.42 Falco	7262 - Fiat CR.42 Falco	MSC62 ALBATROS DARK GREY
7262 - Fiat CR.42 Falco	7263 - Fiat CR.42 Falco	MSC63 ALBATROS LIGHT BLUE
7263 - Fiat CR.42 Falco	7264 - Fiat CR.42 Falco	MSC64 ALBATROS DARK BLUE
7264 - Fiat CR.42 Falco	7265 - Fiat CR.42 Falco	MSC65 ALBATROS LIGHT BROWN
7265 - Fiat CR.42 Falco	7266 - Fiat CR.42 Falco	MSC66 ALBATROS DARK BROWN
7266 - Fiat CR.42 Falco	7267 - Fiat CR.42 Falco	MSC67 ALBATROS LIGHT GREY
7267 - Fiat CR.42 Falco	7268 - Fiat CR.42 Falco	MSC68 ALBATROS DARK GREY
7268 - Fiat CR.42 Falco	7269 - Fiat CR.42 Falco	MSC69 ALBATROS LIGHT BLUE
7269 - Fiat CR.42 Falco	7270 - Fiat CR.42 Falco	MSC70 ALBATROS DARK BLUE
7270 - Fiat CR.42 Falco	7271 - Fiat CR.42 Falco	MSC71 ALBATROS LIGHT BROWN
7271 - Fiat CR.42 Falco	7272 - Fiat CR.42 Falco	MSC72 ALBATROS DARK BROWN
7272 - Fiat CR.42 Falco	7273 - Fiat CR.42 Falco	MSC73 ALBATROS LIGHT GREY
7273 - Fiat CR.42 Falco	7274 - Fiat CR.42 Falco	MSC74 ALBATROS DARK GREY
7274 - Fiat CR.42 Falco	7275 - Fiat CR.42 Falco	MSC75 ALBATROS LIGHT BLUE
7275 - Fiat CR.42 Falco	7276 - Fiat CR.42 Falco	MSC76 ALBATROS DARK BLUE
7276 - Fiat CR.42 Falco	7277 - Fiat CR.42 Falco	MSC77 ALBATROS LIGHT BROWN
7277 - Fiat CR.42 Falco	7278 - Fiat CR.42 Falco	MSC78 ALBATROS DARK BROWN
7278 - Fiat CR.42 Falco	7279 - Fiat CR.42 Falco	MSC79 ALBATROS LIGHT GREY
7279 - Fiat CR.42 Falco	7280 - Fiat CR.42 Falco	MSC80 ALBATROS DARK GREY
7280 - Fiat CR.42 Falco	7281 - Fiat CR.42 Falco	MSC81 ALBATROS LIGHT BLUE
7281 - Fiat CR.42 Falco	7282 - Fiat CR.42 Falco	MSC82 ALBATROS DARK BLUE
7282 - Fiat CR.42 Falco	7283 - Fiat CR.42 Falco	MSC83 ALBATROS LIGHT BROWN
7283 - Fiat CR.42 Falco	7284 - Fiat CR.42 Falco	MSC84 ALBATROS DARK BROWN
7284 - Fiat CR.42 Falco	7285 - Fiat CR.42 Falco	MSC85 ALBATROS LIGHT GREY
7285 - Fiat CR.42 Falco	7286 - Fiat CR.42 Falco	MSC86 ALBATROS DARK GREY
7286 - Fiat CR.42 Falco	7287 - Fiat CR.42 Falco	MSC87 ALBATROS LIGHT BLUE
7287 - Fiat CR.42 Falco	7288 - Fiat CR.42 Falco	MSC88 ALBATROS DARK BLUE
7288 - Fiat CR.42 Falco	7289 - Fiat CR.42 Falco	MSC89 ALBATROS LIGHT BROWN
7289 - Fiat CR.42 Falco	7290 - Fiat CR.42 Falco	MSC90 ALBATROS DARK BROWN
7290 - Fiat CR.42 Falco	7291 - Fiat CR.42 Falco	MSC91 ALBATROS LIGHT GREY
7291 - Fiat CR.42 Falco	7292 - Fiat CR.42 Falco	MSC92 ALBATROS DARK GREY
7292 - Fiat CR.42 Falco	7293 - Fiat CR.42 Falco	MSC93 ALBATROS LIGHT BLUE
7293 - Fiat CR.42 Falco	7294 - Fiat CR.42 Falco	MSC94 ALBATROS DARK BLUE
7294 - Fiat CR.42 Falco	7295 - Fiat CR.42 Falco	MSC95 ALBATROS LIGHT BROWN
7295 - Fiat CR.42 Falco	7296 - Fiat CR.42 Falco	MSC96 ALBATROS DARK BROWN
7296 - Fiat CR.42 Falco	7297 - Fiat CR.42 Falco	MSC97 ALBATROS LIGHT GREY
7297 - Fiat CR.42 Falco	7298 - Fiat CR.42 Falco	MSC98 ALBATROS DARK GREY
7298 - Fiat CR.42 Falco	7299 - Fiat CR.42 Falco	MSC99 ALBATROS LIGHT BLUE
7299 - Fiat CR.42 Falco	7300 - Fiat CR.42 Falco	MSC100 ALBATROS DARK BLUE

Mail orders: Please make cheques, postal orders, I.M.D.'s payable to MISTERKIT, Visa/Mastercard accepted. For credit card orders please include card number, expiry date, and holders name and billing address of card. Postage at cost. E-mail: misterkit@libero.it Tel/Fax: 0039-02-8243791. For more information about our products write or fax to: MISTERKIT - Via Monte Amiana 31, 20089 Rozzano, Milan Italy

KINGKIT

THE ORIGINAL KIT DEALER (Est. 1983)

UNMADE PLASTIC KITS BOUGHT AND SOLD

SuperModel 1/72	Airfix 1/72	Attacker
Fiat G55	SM 79	Miles Master
Re 2000 Falco	Fiat G50	Miles Magister
Re 2001	Yak 90	Fairey Barracuda
Re 2002	Frog 1/72	Martin Maryland
Canf Z1007 mono	Fiat G55	Fairey Reefy
Canf Z1007 Bideriva	Macchi MC202	Blackburn Skua
Fiat G55 S	Lavochkin LA7	Fairey Gannet
SM81 Pipistrello	Caproni Ca311	Mirage II
Macchi C202	C130 Hercules	Sea Fury
Macchi C205	C119 Flying Barracuda	Balleria 1/48
Canf 250s Ariane	me 321 Glider	C130 Hercules
BUI 38 Flying Oag	Sofia Go 242/244	De 130 Hercules Drones
Matchbox	Nova 1/72 Imports	
Mc 202 Folgore	AW/Whitely	

UK P&P £3.50 per order, Overseas at approx cost via Credit Card
 Secondhand Kit List 40 now available with over 14,000 items listed - \$3.50.

SPRINGHILL TRADING ESTATE, ASTON STREET, SHIFNALL, SALOP TF11 8DR
 Tel: 01952 405020
 Fax: 01952 405030
 e-mail: kingkit@compuserve.com

Model Design Construction

Fine scale models, conversions and accessories

1:48 Scale

We'd like to thank our customers for their patience, and apologise for delays caused by the vast increase in demand and workload. We hope that this will be addressed with the arrival of 2 full time casters, who are being trained now to produce the quality that MDC is known for.

Swordfish Floatplane Conversion	CV038	£10.50
Floats with separate rudder, struts Accessories for the Tamiya		
Swordfish Detail Set One	DS009	£6.95
Radio, seat, bulged wheels, separate slats		
Long-range Fuel Tank Cockpit-mounted	DS010	£2.50

Mail Order Service worldwide: Phone, fax, write or e-mail.
 P&P £1 (4 or more kits, or outside the EEC - FREE)
 Payment by Credit Card, Cheque, I.M.O. or P.O. (Esterling, made out to Model Design Construction)

Model Design Construction, 1 Park Mews, Church Street, Riddings, Derbyshire DE55 4DD
 Tel/Fax: 01773 609700 (24hr ansaphone - leave a message, we'll call you back)
 Email: model.design.construction@dial.pipex.com
 model.design.construction@dial.pipex.com
 See the website - <http://dspace.dial.pipex.com/town/plac/gtb78>
<http://ds.dial.pipex.com/model.design.construction>

The mail order company you've known for 40 years in now on the Internet

www.valleyplazahobbies.com

Visit our web site for savings of 20% to 50%

See our extensive selection of
 Scale Model Kits
 Miniature Figurines
 Collectible Models and Toys
 Aftermarket Model Accessories
 Books and Periodicals
 Model-finishing Products
 Tools and Airbrushes

We still offer the same great world-wide service.
 Huge selection of merchandise and discounted prices, with the ease and speed of the Internet.
 See us on the Net and receive our **FREE** newsletter and sale bulletins.

E-mail: Woody@valleyplazahobbies.com • Phone: 775-887-1131 • Fax: 775-887-1027

Model Clubs and Societies!

If you would like to attract more members to your club just write or fax the details to the editorial address so they can be added to this section, free of charge.

- **IPMS(UK) WEB** site at <http://www.users.globalnet.co.uk/~ipmsuk>. Contact Sue Allen, 8 Oakwood Close, Stenson Fields, Derby, DE 24 3ET. E-Mail sue@ipmsuk.globalnet.co.uk
- **AAM/IPMS PORTUGAL**. Please contact Antonio Neves Santos - R. Prof. Camilo Oliverira, 86A - 4420 GONDOMAR or Tel: 02 4540525.
- **THE ABERDEEN MODELLERS SOCIETY**. Contact David Robertson, 27 Howes Drive, Aberdeen, Tel: 01224 690695.
- **ABINGDON IPMS**. For information contact Tony Clements on 01235 522893.
- **AERO SPACE & VEHICLE** Club Wombourne, Nr Wolverhampton. For details contact J. Van-Leerzem on 01384 278600.
- **AVON IPMS**. Contact Stephen Lucas on 01454 316439 or Richard Reynolds on 01249 658522.
- **AVRO LANCASHIRE IPMS**. Contact Ian. D. Southwood on 01706 224 798 from <mailto:ianD@KSouthwood.freemove.co.uk>
- **BIRMINGHAM IPMS**. For more details call 0121 550 0515.
- **BAY MODELLERS CLUB**, Bay of Plenty, New Zealand contact Peter Cook on (NZ) 07-575-6517 or Email FI-SH@extra.co.nz
- **BANBURY SCALE MODEL CLUB**. Contact Reg Gray on 01295 264875.
- **BARNET IPMS**. Contact Pete Stern (Secretary) on 0181 449 7854.
- **UMS (UNIVERSITY MODELLING SOCIETY)** Birmingham meets every Thursday at Centre 13 Community Centre, School Road, Moseley, Birmingham.

Advertisers Index

Ad Graphics	203
Aeromaster	203
Aeromaster	204-205, 242
AIM	229
Albatros Productions	229
Amerang	179
Andy Pack Models	190
Aviation Hobbyshop	181
Avia Imports	186-187
Bare-Metal Foil	213
Beaneys	190
Blue Rider	190
British Legion	223
Classic Airframes	166
Collect-Aire Models	190, 241
Colpar Hobbies	241
Copper State	213
Czech Master Kits	239
Dartmoor Military Models	239
Eagle Editions	223
Eagle Strike	188
ED Models	185
Eduard	175
Ehobbies	214-215
Gavia	203
Hannants	213
Hobby Town	183
Keystone	229
Kingkit	239
Kitlink	169
Koster	203
Lone Star Models	239
LSA Models	182
Matador Models	239
MDC	239
Meteor Productions	196-197
M.I.D. Belgium	185
Misterkit	239
Motor Books	175
MPM	203
Mr & Me's	223
Panther Productions	229
Parabellum	229
Pocketbond	177
Precision Parts	229
Revel	173
SAM MDF	243
SAM Subs	242
Sental	223
Tauro/Pronto	213
Wonderland	188

- **IPMS Bolton (New Branch)**. For more details contact Richard on 01204 699379 or Email ipms.bolton@talk21.com.
- **BRAMPTON SCALE MODEL CLUB** (incorporating IPMS Brampton). Contact Sam Bratby, 39 Ermine Way, Sawtry, Huntingdon, Cambs. PE17 5UQ. Tel: 01487 830689.
- **CHELMSFORD MODEL CLUB**. Please note that this club has merged with the Essex Scale Model Society (see entry elsewhere).
- **CHAPITRE REAL COTE** (Montreal, Canada). For information contact Jean Marc Perreault. Tel: 450 659 5241 Email: jmarcp@megaweb.ca
- **THE CLACTON BRANCH** of the IPMS. Contact Peter Terry on 01255 428653.
- **IPMS CLEVELAND**. Contact Mike Burns on 01642 592357 or Gary Stevenson on 01642 490589.
- **COVENTRY AND WARWICKS IPMS** meet at Midland Air Museum Baginton Contact: Dave Eales for more info on 01926 313330 (phone and fax) or Email: eales.mob@aol.com.
- **CORNISH SCALE MODELLER'S SOCIETY**. For more details contact Tim Rowley (Secretary), 45 Bodriggy St. Hayle, TR27 4ND Tel: 01736 757945 or Mike Fisher (Treasurer), 8 Porthean Rd, Newquay TR7 3JE (Tel: 01637 874545).
- **IPMS DERBY & DISTRICT**. New branch secretary: Jason McWilliam, 36 Matlock Road, Chaddesden, Derby, DE21 4NY
- **DERBY CITY MODEL CLUB**. Contact Gavin (10am to 6pm Saturdays) on 01332 757873 (Tel/Fax) or Julian (evenings) on 01332 514193.
- **EAST KENT MODEL CLUB** meets in Ramsgate. For details contact Stu Davies on 01843 867404.
- **EAST MIDLANDS MODEL CLUB**. Contact Gordon Upton on 01455 230952 (day) or 01455 878722 (evenings).
- **EAST NEUK MODELLING CLUB** has changed its monthly venue as from 1st September 1999. We meet in the Committee Room of the Howe of Fife Rugby Club on the first Thursday of every month. For more information contact Brian on 01334 655131 or Dave on 01334 652439.
- **IPMS GREECE (CORFU BRANCH)** Contact 0030 661 41506 or Fax 0030 661 41114.
- **ESSEX SCALE MODEL SOCIETY** (incorporating Chelmsford Model Club). Contact D. Ball on 01245 604552.
- **IPMS ESSEX/HARLOW**. For details and an information sheet, please ring Steve Hubbard on 0181 514 3840 or 0860 228194.
- **EASTERN SUBURBS SCALE MODEL CLUB** (ESSMC), Box Hill, Vic, Australia. For more details contact Pete McKinnon, 61 + 3 9725 5480 or write to: 33 Clegg Ave, Croydon, Vic 3136, Australia.
- **"FAMAS" (PRONOUNCED "FAMOUS")** journal of the Frog & Airfix Model Aircraft Society. Contact: FAMAS, 35 Rosebery Road, Safford Park, Cromer, Norfolk, NR27 0BX.
- **IPMS FENLAND/SPALDING MODEL GROUP**. Contact Peter Emms on 01775 767729.
- **IPMS PROVINCES OF FRANCE**. The URL for IPMS Provinces of France changed to <http://www.multimania.com/ipmspdf/index.htm>
- **GLASGOW IPMS**. Non-IPMS members welcome. Contact Bruce Smith on 0141 563 2098.
- **GLOUCESTER IPMS**. Contact: Jeff Brown, 123 Pleasant Way, Beeches Park, Cirencester. GL7 1BJ. Tel: 01285 659254.
- **GRANTHAM MODEL CLUB**. Contact John Tinkler on 01476 870816 or Craig Gardiner on 01476 401483.
- **GUERNSEY PLASTIC MODELLERS GROUP**. Contact Dave Nash, 7 Pierre Percey Villa, Prince Albert Road, St Peter Port, Guernsey. GY1 1EZ. Tel: 01481 728186.
- **THE HARROW MODELLING SOCIETY**. Contact Stewart on 0181 427 6858 or Roger on 0181 997 6051 for details.
- **HOBBY DEPOT MODELER CLUB**. Contact M. Fuller, 1524 Est Summer St., Hartford, WI 53027, USA.
- **IPMS HORNCHURCH**. New Club Secretary: Dave Ryan, 36 The Lintons, Linton Road, Barking, Essex. IG11 8HS. Tel: 0181 594 4670.
- **ISCA SCALE PLASTIC MODEL CLUB** - East Devon. Contact Mr K. Sweeting 10, Old Barn Close, Stokecanon, Exeter, Devon. EX5 4AD.
- **KEIGHLEY PLASTIC MODEL SOCIETY**. Contact John on (01535) 665722
- **IPMS KENT**. For details contact Jim Chapman, 77 Sutherland Avenue, Petts Wood, Kent. BR5 1QY. Tel: 01689 822669.
- **IPMS KINGSTON (CANADA)**. Contact Tony on 389 4878.
- **LINCOLN MODEL CLUB** (IPMS Lincoln). For more information, contact Ian Crawford on 01522 533380.
- **IPMS (CANADA) LONDON**. Contact Kerry Traynor on 1-519-453-4818.
- **KAIMAI BRANCH IPMS (NZ)**. Contact Peter Cook at bmc-ipmsnz@xtra.co.nz or Tel: 07 5756 517
- **KEIGHLEY PLASTIC MODEL SOCIETY** contact John on (01535) 665722.
- **LORDSWOOD (JUNIOR) MODEL CLUB** is meeting every Saturday between 4.15 and 6.15pm at the Lordswood Public Library, Kestrel Road, Lordswood, Chatham, Kent. ME5 8TH. The club supplies basic modelling materials and equipment and is sponsored by REVELL (GB), so why not go along and have a look. For more details contact Mr D. Jadoul on 01634 841504.
- **LOTHIAN MODELLERS CLUB** and Edinburgh IPMS. For details contact Ian Hanratty on 0131 665 4087.
- **LUSO-FANATICS. QUARTERLY** newsletter about Portuguese Military Aviation. Contact Dr Rui Domingues. P.O. Box 52054, 4202 - 801 Porto, Portugal. E-mail: ruidom@mail.telepac.pt
- **MARITZBURG MODELLERS CLUB**, South Africa. Contact Andy Williams 0331-961-850 or Alan Farre 0332 306446.
- **MEDWAY MODELLING CLUB**, Gillingham, Kent. Contact Harry Greenwood, 01634-829531 or Alan Starkey, 01474-357064.
- **MILDENHALL PLASTIC MODEL CLUB**. For information contact Peter on 01638 742354.
- **MILTON KEYNES MODEL CLUB**. Contact Phil Smith on 01908 505988.
- **NORFOLK SCALE AIRCRAFT MODEL GROUP**. For information call John Turner on 01603 890595.
- **NORTH ESSEX MODELLERS**. Ring Jerry Baker on 01206 855080 or Mark Harris on 01206 842694 for details.
- **NORTH SOMERSET MODELLERS SOCIETY**. For more information ring Fred Tooke on (01934) 416798.
- **NORTH STAFFS MODEL CLUB**. Contact Stefan on 01782 618181 or Phil on 01782 544612 for details.
- **NORTH WALES MODELLING CLUB**. Those wishing to form a scale modelling club in North Wales please contact Justin Gorka on 01492 532101 (day) or 01492 543590 (evenings).
- **NORWICH SCALE MODEL GROUP**. For more information please contact John Turner on 01603 890595.
- **NOTTINGHAM AND DISTRICT IPMS**. Contact James Downham, 17 Quantock Close, Nottingham, NG5 9QA or Tel: 0115 2686799
- **GREATER PETERBOROUGH MODEL CLUB**. For details ring Jim Sylvester on 01733 571728.
- **PLYMOUTH SCALE MODEL ASSOCIATION**. Contact Roger Haskell on 01752 267527 after 6pm.
- **PMC KOELN E.V.**, Germany. For more information contact Michael Winkler, Mertener Str.6, D-50321 Bruehl, Germany or Email: nc-winkler@netcologne.de
- **POOLE SCALE MODELLERS** Contact Malcolm on 01202 694037.
- **POOLE VIKINGS MODEL CLUB** (Incorporating Dorset IPMS). For more details contact Paul Moores on 01202 483932.
- **ROBERTSBRIDGE AVIATION SOCIETY MODEL CLUB**. Please contact David Morrice, 27 Derwent Drive, Tunbridge Wells, Kent. TN4 9TB Tel: 01892 520856
- **SALISBURY IPMS**. Please contact: Peter James, 'Lithlorien', 18 Ilyton Avenue, Firsdown, Salisbury, Wilts, SP5 1SH. Tel 01980 862403.
- **SHROPSHIRE SCALE MODELLERS** (IPMS Telford). Contact Gary Stevens, 8 Whitmore Road, Shrewsbury. SY1 3BT.
- **IPMS SOUTH AFRICA**. For further details contact Colin Burgess on 011 462 3549 or Email albertm@global.co.za or visit or Web site at www.kimberley.co.za/ipmssa.
- **IPMS SOUTH EAST LONDON** please ring Paul Brack on 0181 650 6504 or Alan Partington on 0181 697 6929.
- **SOUTHEND-ON-SEA MODEL CLUB** (South East Essex IPMS). Contact Dean on 01702 603031.
- **SOUTH LONDON SCALE MODEL CLUB**. For details and an information sheet, please ring Steve Hubbard on 0181 514 3840 or 0860 228194.
- **ST. EDMUNDSBURY SCALE MODELLERS**. Contact Rod Jones (Secretary) on 01284 - 766104.
- **STAFFORD IPMS MODEL CLUB**. For information contact: Terry Campion, 3 Leedhams Croft, Walton-on-Trent, Swadincote, Derbyshire. DE12. Tel: 01283 713602.
- **IPMS STE HELENE** (Montreal, Canada). For information contact Jean Marc Perreault. Tel: 450 656 7243.
- **STIRLING & DISTRICT MODELLERS SOCIETY** SAE for programme to W.Wood, 37 Woodlands, Sauchie, Clacks. FK10 3PJ. Tel: 01259 722428.
- **SUNDERLAND SCALE MODEL CLUB** meets in Fulwell, Sunderland. Contact Peter Hall 0191 513 0489 or David Dykes 0191 548 7777.
- **SUSSEX MODEL GROUP**. For information please contact 01403 782638.
- **SUTTON COLDFIELD MODEL MAKERS' SOCIETY**. For more information contact Robert Day, 'Ashgrove', Diddley Lane, Filongley, Coventry. CV7 8DQ. Tel: 01676 540469.
- **TAYSIDE MODELLING SOCIETY**. Details from Keith Hard, 38 Ashgrove, Perth. Tel 01738 629555 (Sorry no under 16's).
- **THURROCK SCALE MODEL CLUB**. For more information please contact John Davies on 01375 406895 or Steve Moore on 0708 853139.
- **IPMS TORONTO (CANADA)**. Contact IPMS Toronto, 3219 Yonge St., Suite 334, Toronto, Ontario, M4N 2L3, Canada.
- **Wallingford (IPMS)**. For more details contact Club Secretary Steve Lovelock on 01235 817948 or George Clark on 01481 201902.
- **WARRINGTON IPMS**. For details contact Dave Foxall on 01925 825619.
- **WATFORD SCALE MODEL CLUB**. For more information call Nigel Foster on 01582 667210.
- **WEST MIDDLESEX IPMS**. Contact Les Clancy on 01784 465191 or Tony Horton on 0181 384 3840 for details.
- **IPMS YU-VOJVODINA** (Yugoslavia). Contact Nenad Mikisev, Bulevar Veljka Vlahovica 56/10, 23000 Zrenjanin, Yugoslavia. Email: modelart@ptt.yu
- **YORK & DISTRICT PLASTIC MODELS SOCIETY**. Contact Chris on 01430 873408 or Joel on 01904 766895.

- Special Interest Groups (SIGs)**
- **WORLD WAR ONE SIG** has a new website at <http://www.users.globalnet.co.uk/~ipmsuk/wings> wiresig.htm
- **NACHTIGALL. A NEW SIG** for all those interested in Nightfighters. For more information contact Anthony Oliver on 01228 529297 after 8pm.
- **IPMS GULF WAR SIG**. Contact G Madgwick, 9 Hedgehill Road, East Challow, Wantage, Oxon. OX12 9SD. Tel: 01235 769746. Email: gary@patrol.i-way.co.uk
- **WINGS 'N' WIRES**. IPMS World War I Aircraft SIG. Contact Alan Crow, 55 Morven Lea, Blaydon, Tyne & Wear. NE21 4EY.
- **SIGMA A NEW SIG** for all those interested in Portuguese Military Aviation. Contact: P.O. Box 52054, 4202 - 801 Porto, Portugal. E-mail: ruidom@mail.telepac.pt
- **YUGOSLAV AVIATION SIG** discussion board at <http://disc.server.com/58276.html>.
- **HELICOPTER MODELLERS** - interested in a quarterly newsletter produced by like minded enthusiasts? For more details contact: Pete Tasker, 22 Brookfield, Haslington, Crewe, CW1 5WE.
- New Clubs (Forming)**
- **FORMATION OF A NEW SOCIETY** in the Cornwall area. Anyone interested in joining this society should contact the address below, enclosing a stamped SAE, so that possible meeting venues etc can be determined by establishing the location of the greatest density of potential members. Contact The Cornish Plastic Modeling Society c/o Havenhurst, Granny's Lane, Perranporth, Cornwall. TR6 0HB. Tel: 01872 573191.

Events

Scale Aviation Modeller International will advertise forthcoming events in this column free of charge for event organisers who wish to give advance notice of their shows. We will continue to run your notice until the event is held, space permitting.

Forthcoming Events

- **February 26th.** Fleet Air Arm Museum Model Show, RNAS Yeovilton, Ilchester, Somerset. BA22 8HT. Tel: (01935) 840565, Fax: (01935) 840181.
- **March 4th.** The East of England Millennium Model Show, Peterborough Town Hall, Bridge Street, Peterborough. Contact Roger Bolt, 01733 706978.
- **March 11th.** Flanders' Modelling Festival 2000 and Flanders' Contest 200, Dan Bosco Technical Institute, Salesianenlaan 1, B-02660 Hoboken (Antwerp), Belgium. Contact Rudy Binneemans, Te Couwelaarlei 103/21, B-2100 Deurne, Belgium. Tel/Fax: (00) 32 3 324 22 04.
- **March 11th-13th.** Model Expo, Australian Open Plastic and Scale Model Championships will be held in the Arts and Crafts Pavilion, Royal Melbourne Showgrounds, Epsom Road, Ascot Vale. For more details write to Model Expo 2000 c/o IPMS Australia Inc., GPO Box 1187K, Melbourne 3001, Australia, or telephone Graeme Dodd on (03) 9808 0341 or Ian Vale on (03) 9873 4256.
- **March 12th.** IPMS Merseyside, Model Show 2000 at the Crosby Civic Centre. Contact Ted on 0151 722 6086 or Doug on 0151 342 2735.
- **March 12th.** North Somerset Model Show at the Somerset Hall, Portishead. For more details contact Dave Jones, 8 Furland Road, Weston-super-Mare, North Somerset. BS22 8DL. Tel: 01934 629151.
- **March 18th & 19th.** Southern Expo, 10am to 5pm at the Hornchurch Sports Centre, Hornchurch, Essex. For more details contact W. Arrowsmith, 14 Linkway, Hornchurch, Essex. RM11 3RW. Tel: 01708 473038.

- **March 19th.** The Great Millennium Kit Swap at the Hinckley Leisure Centre, Leicestershire from 10.30am to 4.30pm. For more information contact 01455 284600 or 0116 2777205.
- **March 25th.** New Jersey IPMS, Mosquitocon 2000, Wayne Police Athletic League (PAL), PAL Road (off Route 23). Contact Bob La Padura, 81 Diamond Lane, Old Bridge, New Jersey 08857, USA. Email rlapadura@aol.com. Tel (732) 360 9733.
- **April 2nd.** LGW2000, the 11th Gatwick International Aircraft Enthusiasts Fair, 10am to 5pm at the Crawley Leisure Centre, Haslett Avenue, Crawley, West Sussex.
- **April 9th.** Barnet Scale Model Club, Holmshill School, Thrift Farm Lane, Shenley Road, Borehamwood, Herts. **NEW VENUE**. Contact (Trade) Jonathan Burns (0181) 423 2186 or (Clubs) Pete Stern (0181) 449 7854.
- **April 15th-16th.** Scottish National Modelling Championships, Albert Hall, Stirling. Contact Willie Wood, 37 Woodlands, Sauchie, Clacks. FK10 3PJ Tel (01259) 722 428.
- **April 16th.** East Midlands Model Show, Hinckley Leisure Centre, Hinckley, Leicestershire. For more information contact Gordon on 01455 230952 or Email modelsport@dial.pipex.com.
- **April 28th-30th.** IPMS(USA)-NENY, 29th Annual IPMS Region 1 Convention 'Northeastcon 2000'. Albany Ramada Inn, 1228 Western Avenue, Albany, NY12203. Contact Bill Ellis, 547 Washington Avenue, Albany, NY 12206, USA.
- **April 29th.** Poole Vikings Model Club (Incorporating Dorset IPMS) Annual Model Show will be held at Bournemouth University Sports Hall, Talbot Campus, Fern Barrow (off Wallisdown Road), Bournemouth. Contact Ian Dorney, 1 Strathmore Drive, Verwood, Dorset. BH31 7BJ. Tel: 01202 828724 or Email poole.vikings@virgin.net
- **April 30th **Note New Date**.** IPMS Gloucester Y2K Model Show, Churchdown Community Centre, Parton Road, Churchdown, Gloucester. Contact Jeff Brown (Branch Secretary) 123, Pheasant Way, Beeches Park, Cirencester, Glos. GL7 1BJ

- **May 6th.** TMV Modelbouw Happening, C.C. Panishof, Borgloon, Bommershovenstraat 10A, Belgium. Contact: Leunen Marc, Broekstraat 10A, Wille 3830. Tel: (00)32 (0) 12 746250.
- **June 2nd & 3rd.** IPMS Region IV Convention, Radisson Airport Hotel, Columbus, Ohio. For more details contact Steve Rothrock, 2427 Sonnington Drive, Dublin, Ohio 43016, USA or Email rothrock@iwaynet.net.
- **June 3rd.** IPMS Salisbury Model Club, 3rd Annual Show, Hall of Wyvern College, Laverstock, Salisbury, Wilts. Contact David Lane, 13 Park Street, Salisbury, Wilts. SP1 3AT. Tel: 01722 327498 Fax: 01722 501518, Email: d.lane@dial.pipex.com.
- **June 3rd.** Torcan 2000, IPMS Toronto at The Toronto Board of Trade Airport centre, 830 Dixon Road, Toronto, Canada. Contact Paul Roberts (905) 455 0081, Email: proberts@tamcotec.com or Chuck Rothman (905) 669 1096, Email: rothman@interlog.com.
- **July 2nd.** 'A Fort Full of Models', Newhaven Fort, Newhaven, East Sussex. Contact Mid-Sussex IPMS, 15 Aspen Walk, Haywards Heath. RH16 3RB. Fax/Answerphone: (01273) 596581.
- **August 12th.** The 2000 'Virginia Shootout', Salem Civic Center, Salem, VA. For more information contact Jeff Hinchey (540)989 7723 or Email JHinchey@aol.com.
- **August 12th-13th.** Bournemouth Model Spectacular, The Pavilion, Westover Road, Bournemouth, Hants. Contact John Bothamley (01202) 527723.
- **August 18th-19th.** IPMS Regional Model Contest and Swap Meet, Holiday Inn, Mesa, Arizona, USA. For more information contact Dick Christ, Tel: 480 983 7131 or Email dickc24@aol.com or Jim Frey, Tel: 623 975 9585 or Email jamescorinne@msn.com.
- **September 10th.** Sutton Coldfield Model Makers' Society Model Spectacular 2000. Contact (0121) 308 3165.
- **September 17th.** Modelfest 2000 Model Show, IPMS Farnborough, Frogmore Community Campus, Yateley, Hants.
- **September 24th.** Chiltern Scale Model Show at the Mosquito Museum, Salisbury Hall, Herts. Contact Chris Russell, 55 Stagsden Road, Bromham, Bedford. MK43 6PY.

- February 26th.** Fleet Air Arm Museum Model Show, Yeovilton, Somerset.
- March 4th.** The East of England Millennium Model Show, Peterborough.
- March 11th.** Flanders' Modelling Festival 2000 and Flanders' Contest 2000, Belgium.
- March 11th-13th.** Model Expo, Melbourne, Australia.
- March 12th.** North Somerset Model Show.
- March 12th.** IPMS Merseyside, Model Show 2000.
- March 18th-19th.** Southern Expo, Hornchurch.
- March 19th.** The Great Millennium Kit Swap (Hinckley).
- March 25th.** Mosquitocon 2000, New Jersey IPMS(USA).
- April 2nd.** LGW2000, Gatwick.
- April 9th.** Barnet Model Show, Herts. ***New Venue***
- April 15th-16th.** Scottish National Modelling Championships, Stirling.
- April 16th.** East Midlands Model Show.
- April 28th-30th.** 'Northeastcon 2000' New Jersey, USA.
- April 29th.** Poole Viking Model Club, Annual Show, Bournemouth.
- April 30th.** The IPMS Gloucester Y2K Model Show, Gloucestershire.
- May 6th.** TMV Modelbouw Happening (Belgium).
- May 13th.** Heathrow Aircraft Enthusiasts' Fair
- June 2nd-3rd.** IPMS Region V Convention, Columbus, Ohio. (USA)
- June 3rd.** 3rd Annual Show, IPMS Salisbury Model Club, Wilts.
- June 3rd.** Torcan 2000, IPMS Toronto (Canada).
- July 2nd.** A Fort Full of Models, Newhaven.
- August 12th.** The 2000 'Virginia Shootout', Salem, VA (USA).
- August 12th-13th.** Bournemouth Model Spectacular.
- August 18th-19th.** IPMS Regional Model Contest & Swap Meet, Mesa, Arizona.
- September 10th.** Sutton Coldfield Model Makers' Society Model Spectacular 2000.
- September 17th.** Modelfest 2000 Model Show, IPMS Farnborough, Hants.
- September 24th.** Chiltern Scale Model Show (Herts).

Please Note...

It is with great reluctance that we must insist that all future submissions to the Readers Classified section MUST be typed. We will no longer entertain any hand written submissions. We regret having to insist on this, but a number of problems have arisen due to unclear handwriting in previous advertisement submissions.

Classified

For Sale

- **Propliner magazine issues** 45-77 less 49 (32 copies) £45. Very good condition, buyer collects. Also some books, send SAE to Ian McConnell, 63 Station Road, Dersingham, King's Lynn, Norfolk. PE31 6PR.
- **1/72nd scale Novo Gloster E.28/39** (£7), 1/48th scale Escl Fiat G.91R-1/R-3 (£15), Monogram F-84F (£16) and 1/32nd scale Revell Bf 109F (£16), P&P extra. Contact K. Fleckney on 01553 811196 (Norfolk).
- **Complete set of Scale Aviation Modeller International** and twenty Quarter-Scale Modellers, £70, buyer collects or pays carriage. Contact G.Burn, 25 Norham Close, Wideopen, Newcastle upon Tyne, NE13 7HS. Tel: 0191 236 4748.
- **43 plastic kits, scales** 1/1200th, 1/72nd and HQ/00 including vehicles, aircraft, ships and figures. Airfix, Matchbox, Heller, Frog etc, less than £4 each. £150 one the lot, no splitting. Contact Mr Hawthorn Tel: 01925 831649.
- **Collector has unmade kits**, various scales, 1950s onwards. Merit, Frog, Novo, Airfix etc, original boxes and decals. SAE for list to Mr J.L. Bell, 24 Tuke Street, Dunfermline, Fife. KY12 0PP. Tel: 01363 728745.
- **Unmade plastic aircraft kits** in 1/48th, 1/72nd, 1/144th and 1/200th scales, most as new. Please send SAE for list to M.J. Murray, 26 Railway Street, Gillingham, Kent. ME7 1YF.
- **Large collection of over 500 unmade plastic kits**, plus books and magazines. Send an A4 SAE for list to John Pendrous, 36 Victoria Road, Bradmore, Wolverhampton, WV3 7EU.
- **100x Scale Aircraft Modelling** £20.00, 215x Military Modelling £35.00, 21x Fine Scale Modeller £5.00 and 140 Scale Models £20.00. Buyer must collect or pay postage. Contact Pete on 01270 258368 (Cheshire).

Wanted

- **1/48th scale resin conversion** (any make) for the AV-8A (Monogram) to the AV-8B Harrier II. Will pay a fair price or swap/exchange from my extensive collection. Contact: Felice de Leo, Via Pietro Nenri, 69, 97100 Ragusa, Italy.
- **Air Publications (AP's)**, Pilot's Notes (UK), Flight Manuals (USA) and all forms of Parts Manuals on all military aircraft types. Specifically Vol 1 & 3s for AP's. Will purchase batches, or singles. I would also like to borrow similar for copying, postage etc covered. Contact the Editor, in writing, at the editorial address or e-mail SAMed@compuserve.com.
- **AeroMaster sheet 48-197** or anything for a Fokker E.M.D.VIII in 1/48th scale. Contact Paddy O'Shea, 18 Albert Street, Thornton, Bradford, West Yorks. BD13 3ER. Tel: 01274 830451.
- **B-47 Stratojet 'in Detail & Scale'** urgently needed. Copy will do. Also clear parts for Italian B-58 Hustler/Boomerang. Costs refunded. Contact D. Taylor on 01769 574240 (Devon).
- **Standard boob doors** for Tamiya 1/48th Lancaster. Also, AeroMaster sheet 48-302 'RAF Thunderbolts' have you got this sheet but have not used the silver schemes? Contact D. Brown, 18 Hull Road, Anlaby, East Yorkshire. HU10 6UA. Tel: 01482 654465.

Readers Classified

This service is offered free to all our readers. Send your classifieds (no more than 30 words please) to:

Readers Classified

SCALE AVIATION MODELLER International
4 Princeton Court, Pilgrim Centre, Brickhill Drive, Bedford MK41 7PZ
Adverts will be run space permitting.
Please note, although every care is taken in preparing this section, SAE Publications/DMZee Marketing cannot be liable for any errors and/or omissions. No confirmation of receipt will be given for adverts (no Email & Fax).

Swap

- **Unmade Airfix 1/48th Corsair F4U-1A** and Fw 190A-8 for unmade Monogram 1/48th B-25J Mitchell. contact George Crellin Tel: 01482 704402 (Hull).

Information Required

- **To help convert Huma's 1/72nd scale Fw 44** to the BMW Motorjet, using the Bramo 325 engine. Photos, drawings, advice. Also, does anyone know of a kit of the Lavochkin La-150? Contact Tim Large, 23D Blenheim Crescent, London. W11 2EF. Email: tilarge@hotmail.com.
- **Photos or drawings of JG300 Wilde Sau** Bf 109 night fighters, especially 3/JG300. Contact: Chris Royston, 3 Sovereign Court, Halfpenny Lane, Sunningdale, Berkshire. SL5 0HH.



Collect-Aire Models

L-39 Albatross

1/32 Scale! Unassembled kit!
Hi-Tech! Custom Resin! Engraved! Photocutted! Vac. Canopy! Full Cockpit! Metal! Weapons! Drop Tanks! Custom Decals! Iraqi/Slovak w/Full Stenciling! Custom Box! Only \$159.95

Plus \$5.00 s/h U.S.; \$15.00 all others (air).
166 Granville Lane • North Andover, MA 01845 USA
(978) 688-7263 / FAX (978) 688-9226
email: collectairemodels@mediacore.net



COLPAR HOBBIES

PLANES ARMOR CARS SHIPS SCI-FI
We carry a huge inventory of plastic model kits from around the world! Large selection of Detailing after-market parts and Decals for aircraft, armor, ships and cars. Specialising in Airliner models, Decals, Die Cast, Promos and Books. Large inventory of Sci-fi kits, Historical and Modelling references, Paints, Tools, Airbrushes.
We ship worldwide!

www.colpar.com

Colpar Hobbies Phone: 303-341-0414
804 S. Havana St. Fax: 303-341-1554
Aurora, Co. 80012 USA Email: colpar@dimensional.com

Note:
Please refer to the individual
review to identify the UK
importer or distributor of each
range. See advertisements in
this and previous editions in
regard to model shops and
mail order establishments
listed in reviews.

Ace Publication
53-350 Wrocław 15,
ul. Powstanców
S1.50, PO Box 33,
Poland

Aeroclub
5, Silverwood Avenue,
Ravenshead,
Nottingham.
NG15 9BJ
Tel: 0115 967 0044
Fax: 0115 967 1633

Airfix,
Marfleet, Hull,
North Humberside.
HU9 5NE
Tel: 01482 701191
Fax: 01482 712908

Airlife Publishing Ltd.
101 Longden Road,
Shrewsbury,
Shropshire, SY3 9EB
Tel: 01743 235651
Fax: 01743 232944

Albatros Productions Ltd.
10, Long View,
Berkhamstead,
Herts. HP4 1BY
Tel: 01442 875838
Fax: 01442 876018

Albatros Modelworks
Portada Diseño, SA
de CV, Dr E. Raphael,
Fortunato ZuaZua
#48,
San Juan Tilihuaca,
Mexico DF 02400,
Mexico.
Tel: ++52 5 383 32
59 Ext 24
Fax: ++52 5 319 54
93
Email:
Telch@dsi.com.mx

Bare-Metal Foil Co.,
P.O. Box 82,
Farmington,
MI 48332, USA.
Tel: 248 477 0813
Fax: 248 476 3343

John Baxter
23, St. Georges Road
South,
Fitzroy North,
Victoria 3068,
Australia.

Broplan,
ul. Pilotów 10G/33,
80-460 Gdansk,
Poland.
Fax: 048 58 5565919
UK Source: Aeroclub
& Andy Pack

Choroszy Model-Bud,
32-070 Kraków,
Czernichów 371,

Poland.
Tel/Fax:
048 12 647 09 94
Tel: 048 12 270 26 79
Obtain in UK via:
Aeroclub

Copper State Models
3245 E. Hillery Drive,
Phoenix,
AZ 85032, USA
Tel: 602 867 8822

The Crowood Press
The Stable Block
Crowood Lane,
Ramsbury,
Wilts. SN8 2NR
Tel: 01672 520320
Fax: 01672 520280

EagleCals (Eagle Editions Ltd)
P.O. Box 580,
Hamilton,
MT 59840, USA
Tel: 406 363 5415
Fax: 406 375 9270
Email:
eagle@bitterroot.net

Eduard M.A.,
435 21 Obrnice 170,
Czech Republic.
Tel: 420 35 6118259
Fax: 420 35 6118186
Email:
eduard@traveller.cz
Obtain in UK via: LSA
Models & Hannants

Experts-Choice
** See Bare-Metal
Foil**

Flashback/Artur (A.M.C.),
PO Box 79,
274 01 Slany,
Czech Republic.
UK Source: LSA
Models & Hannants

Gavia
P.O. Box 44,
769 01 Holesov,
Czech Republic
Tel: 00420/ 635 218
33

Hawkeye Designs,
Fort Duquesne
Military Miniatures,
105 Tristan Drive,
Pittsburgh,
PA15209, USA.
Email:
ftduq@usa.net

Hobbybokhandeln (Sweden)
www.hobbybooks.se.
or

Italeri Spa,
Via Pradazzo 6,
I-40012 Calderara di
Reno, (Bologna), Italy.
Tel: +39 51 726037
UK Distributor:
Richard Kohnstam Ltd

Kiddyland Enterprises Ltd
36 Ta Lung Street,
Taipei, Taiwan,
Republic of China
Tel: (02) 5967718 -
5952262

Richard Kohnstam Ltd
13-15a High Street,
Hemel Hempstead,
Herts. HP1 3AD
Tel: 01442 261721
Fax: 01442 240647

Mirage Hobby,
ul. Olkusa 3,
02-684 Warszawa,
Poland.
Tel: 0048 022
8440292
Email:
dragon@mirage-
hobby.com.pl

Neomega Resin
* See Parade Figures*

Osprey Direct,
27 Sanders Road,
Wellingborough,
Northants. NN8 4NL
Tel: 01933 443863
Fax: 01933 443849
Email:
info@OspreyDirect.co.uk

Parade Figures
65, Shilton Road,
Barwell, Leics.
LE9 8HP

Tel/Fax: 01455
848772 or 230952

Pavla Models,
Kubelkova 9,
709 00 Ostrava,
Czech Republic.
Tel: ++420 69
6627136
Fax: ++420 69
6627137
Obtain in UK via:
Hannants

Pocketbond Ltd.
PO Box 80,
Welwyn, Herts.
AL 6 0ND
Tel: 01707 391509
Fax: 01707 327466

Rebell Hobby (Sweden)
www.rebell.com

Revell® Binney & Smith (Europe) Ltd,
Amphill Road,
Bedford. MK42 9RS
Tel: 01234 360201
Fax: 01234 342110

Revell-Monogram
8601 Waukegan
Road,
Morton Grove,
IL 60053-2295, USA.
Tel: 847 966 3500
Fax: 847 967 5857

J. Rutman
HC88 Box 38,
Pocono Lake,
PA 18347, USA.
Tel: (570) 646 8988

Squadron-Signal Publications
1115 Crowley Drive,
Carrollton,
Texas 75011-5010,
USA
Tel: 214 242 1485
Fax: 214 242 37 75
UK Distributor:
Pocketbond

Sutton Publishing Ltd.,
Phoenix Mill,
Thrupp, Stroud,
Gloucestershire.
GL5 2BU
Tel: 01453 731114
Fax: 01453 731117

Tally Ho! spol s.r.o.
Gen. Pily 12,
702 00 Moravská
Ostrava,
Czech Republic
Tel/Fax: 00420 69
662 50 67
Email:
meluzin@ostrava.cz
om.cz

Tamiya Inc.
3-7 Ondawara,
Shizuka-City, Japan.
UK Importer: Richard
Kohnstam Ltd.

Tauro Models sas,
Via San Domenico 16,
Oselle, P.O. Box 59,
I-10022 Carmagnola
(TO), Italy.
Tel: ++39 11
9778166
Fax: ++39 11
9713983

Toko, Experimental Industrial Technologies Plant JNT STK,
Mashinobudivna 46,
Kiev 252180,
Ukraine.
Tel: +38 044 458 05
02 or 05 00 or 05 03
Fax: +38 044 446 53
05

The Turntable
11 Belle Vue Terrace,
Blackwood Hall,
Luddendenfoot,
Nr. Halifax,
West Yorks. HX2 6HG
Tel/Fax: 01422
883489

WingMan
Södergatan 36,
19547 Märsta,
Sweden.
Email:
bringho@telia.com

SAM Subscriptions, Back Issues and Binders

BACK ISSUES

AVAILABLE AT £3.25
INC P&P (UK),
£4.75 OVERSEAS.
We have the following
issues available:



Vol 4 : Issue 6



Vol 4 : Issue 7



Vol 4 : Issue 8



Vol 4 : Issue 9



Vol 4 : Issue 10



Vol 4 : Issue 11



Vol 5 : Issue 6



Vol 5 : Issue 7



Vol 5 : Issue 8



Vol 5 : Issue 9



Vol 5 : Issue 10



Vol 5 : Issue 11



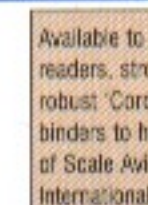
Vol 2 : Issue 9



Vol 2 : Issue 12



Vol 3 : Issue 6



Vol 3 : Issue 12



Vol 4 : Issue 1



Vol 4 : Issue 2



Vol 4 : Issue 3



Vol 5 : Issue 1



Vol 5 : Issue 4



Vol 5 : Issue 5

Available to all
readers, strong,
robust 'Cordex'
binders to hold 12 issues
of Scale Aviation Modeller
International.

The binders use a bonded nylon
cord, allowing easy insertion and
removal of your magazines,
holding them firmly in place,
without damaging them. The
binder is green, and carries the
SAM logo embossed in gold leaf.

Just
£7.95 each
(incl. p&p)

BINDER & SUBSCRIPTION HOTLINES

Tel: (44) 08707 333373
e-mail: dmzee@kbnl.co.uk
When using e-mail, please leave your
name and address and your credit
card details along with your order.



SAM Publications,
4 Princeton Court,
Pilgrim Centre,
Brickhill Drive,
Bedford MK41 7PZ

Mr/Mrs/Ms Initial Surname

Address

.....

.....

..... Postcode

Daytime tel. no.

☐ BINDERS (Cheque, Credit/Debit Card)

Please send me _____ binder(s) at £7.95 each (incl. p&p)

☐ BACK ISSUES (Cheque, Credit/Debit Card)

Please send me back issues as ticked above. Available at £3.25 inc p&p (UK), £4.75 Overseas.
Please allow 28 days for delivery. SAMI-6-03

SUBSCRIPTIONS (Cheque, Credit/Debit Card for 12 Issues)

☐ Please start my Avia subscription from the next available issue.

☐ I am an existing subscriber so please extend my current subscription.

	UK	Europe Air	European Surface	World Air	WorldSurface
☐ 6 months	£19.25	£30	£26	£33	£27
☐ 1 year	£33.00	£51	£41	£56	£46
☐ 2 years	£63.25	£98	£79	£108	£88

☐ I enclose a Sterling cheque made payable to SAM Publications

Please charge my ☐ Visa ☐ Access/Mastercard. Expiry date

Card no.

Signed Today's date

**AVAILABLE
EARLY 2000**

THE SUPERMARINE SPITFIRE

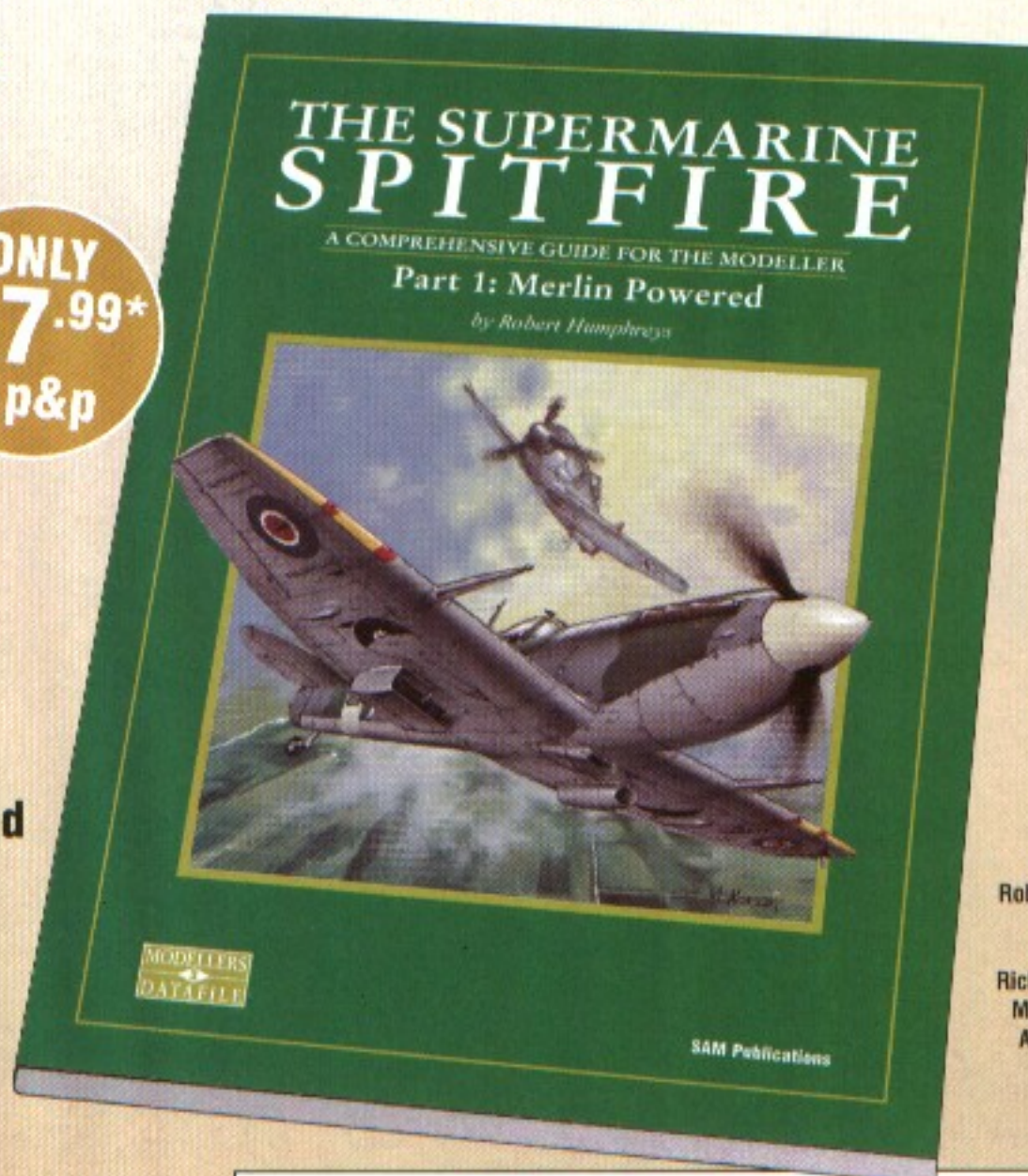
A COMPREHENSIVE GUIDE FOR THE MODELLER

Part 1: Merlin Powered

**SOON
AVAILABLE**

- 160 pages (64 in full colour)
- 1/48th Scale fold out plans
- Colour side views by Richard J. Caruana
- Interior artwork by Michele Marsan
- Comprehensive listing of decals and accessories
- Photographic coverage of preserved examples
- All scales & types of kit listed
- Full bibliography
- Full chronology of the types development & operational use.

ONLY
£17.99*
+ p&p



Actual Size
216mm x 297mm

Written by
Robert Humphreys

Artwork by
Richard J. Caruana
Michele Marsan
Anthony Oliver

**ALSO
AVAILABLE**



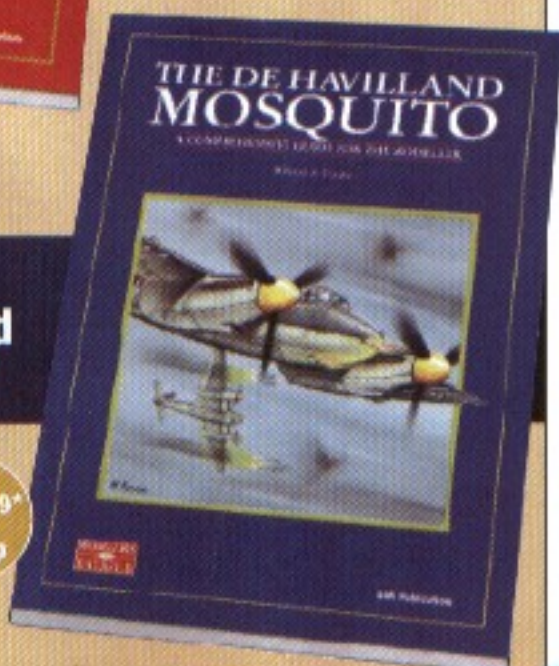
ONLY
£14.99*
+ p&p

**The
Hawker
Hurricane**

MODELLERS
DATAFILE

MODELLERS
DATAFILE **The
De Havilland
Mosquito**

ONLY
£14.99*
+ p&p



ORDER FORM (MDF 3)

☐ Yes, please reserve me a copy of *The Supermarine Spitfire Part 1*, at the published price of £17.99 + p&p*

I wish to pay by ☐ Cheque ☐ Credit Card

* p&p rates
UK add £2.50
Europe add £3.50
World add £5.00

ORDER FORM (MDF 2)

☐ Yes, please send me a copy of *The Hawker Hurricane*, at the published price of £14.99* + p&p (Europe £17.99*/ Rest of the World £19.99* + p&p).

I wish to pay by ☐ Cheque ☐ Credit Card

ORDER FORM (MDF 1)

☐ Yes, please send me a copy of *The De Havilland Mosquito*, at the published price of £14.99* + p&p (Europe £17.99*/ Rest of the World £19.99* + p&p).

I wish to pay by ☐ Cheque ☐ Credit Card

Please make cheques payable to 'SAM Publications'.

Name _____

Address _____

Country _____

Postcode _____

Telephone _____

Please charge my

☐ Visa

☐ Mastercard

Expiry date

Card no.

Signature _____

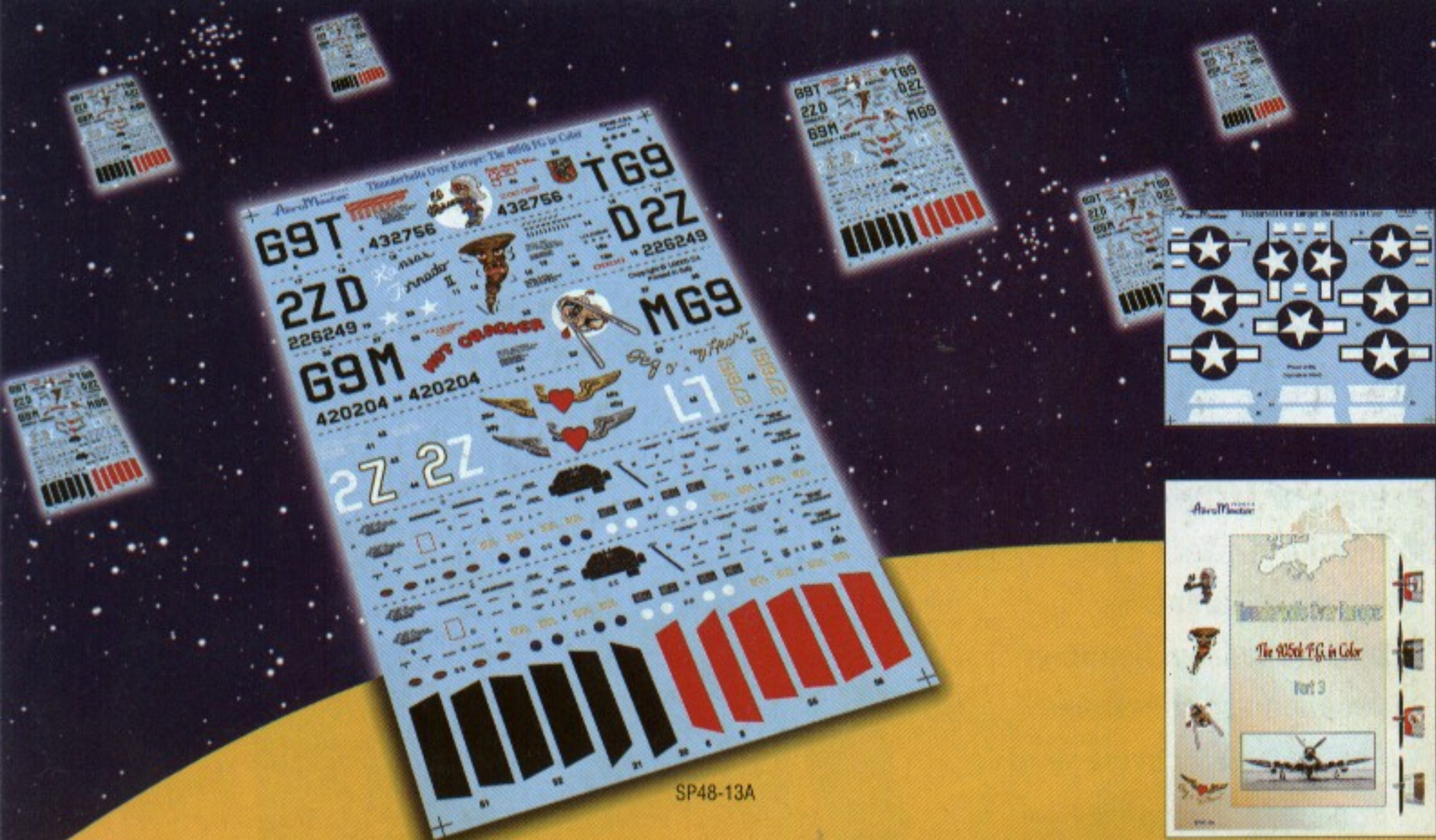
Date

Post to: SAM Publications, 4 Princeton Court, Pilgrim Centre, Brickhill Drive, Bedford, MK41 7PZ.

Tel: (44) 08707 333373 Fax: (44) 0 1234 261251

email: samkit@globalnet.co.uk

SAM-S-10



SP48-13A

We give you more options...



SP48-13A

It is our commitment to offer you, the discerning, dedicated modeller, the best products available, at the lowest prices, and with the best subject choices – worldwide.

To meet your decal, paint and accessory requirements AeroMaster is the best and most reliable source.

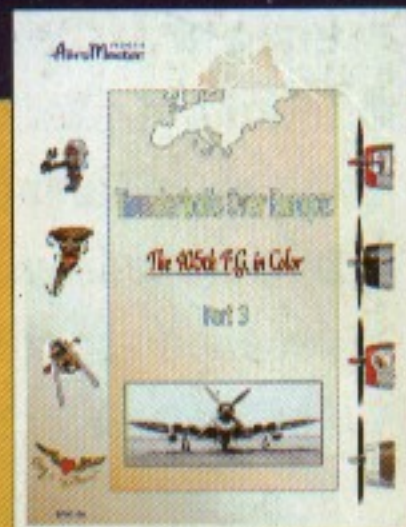
Don't experiment – go with the proven leader.

Available at better hobby stores and leading mail order houses worldwide.

- High quality production
- State-of-the-art technology helps to eliminate silvering
- Historically accurate graphics
- The best value for money in the industry

- Highly detailed colour instruction sheets
- Printed by the best printers in the U.S.A., Mexico and Italy
- Thoroughly researched
Most of our subject matter is provided by renowned writers, enthusiasts and local authorities. Do you have what it takes? Contact us!

...experience the difference



SP48-13A
Thunderbolts over Europe

AeroMaster

3615 NW 20th Ave
Miami, Florida 33142, USA
tel 001 305 6337398 fax 001 305 6384197



Visit us on the web at
www.AeroMaster.com

U.S.A.

Japan
Australia
Czech Rep.
Italy
France
U.K.
Netherlands
Canada

• Sentai Distributors • Military Model Distributors
• Stevens Int'l • Hobbytime Distributors
• Legacy Distributors (VLS) • Pan American Int'l
• Beaver Corporation
• J.B. Distributors
• Eduard Model Co.
• Italtrading Co. • Misterkit
• Cocktail Joints
• Hannants • Athena Books
• Model Engineering
• Precision Parts

**World Wide
Distribution**